



Kit SDS Cover Sheet

Product Name:

Item No(s):

This is a test kit that is comprised of several individual components, listed below, each of which may have its own Safety Data Sheet (SDS). Articles, and otherwise immobilized and inaccessible chemicals, do not have a Safety Data Sheet in this packet.

Kit Components:

\*Starting with **Lot No. 306810**, a new non-hazardous substrate is now included in the kit. Please reference section **K-Blue Advanced Plus TMB Substrate** of this SDS packet.

For product information, please contact your Neogen Corporation Representative.  
For further information regarding this SDS, please contact [SDS@neogen.com](mailto:SDS@neogen.com).



# SAFETY DATA SHEET

according to DENR Administrative order N°2015-09 and GHS

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## Coconut Multi-Level Controls

Revision 1  
Revision date 2021-12-15

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	Coconut Multi-Level Controls
Product code	(8560)

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC21] Laboratory chemicals;
Description	Intended for laboratory use only. Do not use components from one kit with any other kit.

#### 1.3. Details of the supplier of the safety data sheet

Company name	Neogen Corporation
Address	620 Leshler Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone number	517-372-9200/800-234-5333
Email	SDS@neogen.com

#### 1.4. Emergency telephone number

24 hours:  
Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)  
Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	Based on available data, this product is not classified as hazardous.
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#### 2.2. Label elements

Hazard Statement	No Significant Hazard
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#### 2.3. Other hazards

Other hazards	Contains material(s) which may be harmful if swallowed.
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### SECTION 3: Composition/information on ingredients

#### Description

No components need to be disclosed according to the applicable regulations.  
Concentrations listed are not product specifications.

#### Further information

Full text of Hazard Statements listed in this Section is provided in Section 16.

# Coconut Multi-Level Controls

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.
Skin contact	Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	Do not induce vomiting unless told to do so by the poison control center or doctor. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

### 4.3. Indication of any immediate medical attention and special treatment needed

	Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical attention if irritation or symptoms persist. If medical advice is needed, have product container or label at hand.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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### 5.2. Special hazards arising from the substance or mixture

	Product does not support combustion. Do not allow undiluted product to be released to ground water, water course or sewage system.
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### 5.3. Advice for firefighters

	Do not breathe vapour or spray mist. Wear self-contained breathing apparatus and chemical-protective clothing.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

	Use as appropriate: Protective equipment, Protective clothing. Ensure adequate ventilation of the working area. Avoid prolonged or repeated exposure.
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### 6.2. Environmental precautions

	Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil.
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### 6.3. Methods and material for containment and cleaning up

	Absorb spillage to prevent material damage. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes.
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### 6.4. Reference to other sections

	See Section(s) 2, 8, and 13 for further information.
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## SECTION 7: Handling and storage

# Coconut Multi-Level Controls

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## 7.1. Precautions for safe handling

	<p>Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or disposal of wastes. Use as appropriate: Protective clothing.</p> <p>Read the entire label and follow all use directions, restrictions, and precautions.</p>
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## 7.2. Conditions for safe storage, including any incompatibilities

	<p>Store at temperatures between 2 °C and 8 °C.</p> <p>Do NOT allow to freeze. Store in correctly labelled containers. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal. Follow label instructions.</p>
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## 7.3. Specific end use(s)

	See Section(s) 1.2 for further information.
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## Further information


	Refer to product label and/or package insert for additional information. Follow label instructions.
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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

	No occupational exposure limits known.
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### 8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Use as appropriate: Protective equipment.
Eye / face protection	Use as appropriate: Suitable eye protection.
Skin protection - Handprotection	Use as appropriate: Chemical-resistant gloves made of any waterproof material. Wash the outside of gloves before removing them.
Skin protection - Other	Use as appropriate: Protective clothing. Wash contaminated clothing, separately from other laundry, with detergent and water before reuse.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Occupational exposure controls	Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Protect clothing from contact with the product. Provide chemical shower. Provide eye wash station.

## Further information

	Remove and wash contaminated clothing before reuse.
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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

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## 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Clear
<b>Odour</b>	Slight/Mild
<b>Odour threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Initial boiling point</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Relative density</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Explosive properties</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Solubility</b>	Soluble in water

## 9.2. Other information

<b>Conductivity</b>	No data available
<b>Surface tension</b>	No data available
<b>Benzene Content</b>	No data available
<b>Lead content</b>	No data available
<b>VOC (Volatile organic compounds)</b>	No data available
<b>Gas group</b>	Not applicable.

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	Stable under normal conditions.
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## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.3. Possibility of hazardous reactions

	Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.
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## 10.4. Conditions to avoid

	Do NOT allow to freeze.
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## 10.5. Incompatible materials

	No data available.
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## 10.6. Hazardous decomposition products

	Carbon oxides.
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## Coconut Multi-Level Controls

Revision 1  
Revision date 2021-12-15**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

<b>Acute toxicity</b>	Based on available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	May cause irritation to skin.
<b>Serious eye damage/irritation</b>	May cause irritation to eyes.
<b>Respiratory or skin sensitisation</b>	May cause allergic reactions in susceptible people.
<b>Germ cell mutagenicity</b>	No mutagenic effects reported.
<b>Carcinogenicity</b>	No components at >0,01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values. No components at >0.01% are listed in the International Agency for Research on Cancer (IARC) Monographs. No components at >0,01% are listed in the National Toxicology Program (NTP) Report on Carcinogens. US State Regulations: New Jersey Right-to-Know Hazardous Substances List: This material contains no listed components.  Pennsylvania Right-to-Know Hazardous Substance List: This material contains no listed components.  Massachusetts Right-to-Know Toxic or Hazardous Substances List: This material contains no listed components.
<b>Reproductive toxicity</b>	No teratogenic effects reported.
<b>STOT-single exposure</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>STOT-repeated exposure</b>	No Significant Hazard.
<b>Aspiration hazard</b>	No Significant Hazard.
<b>Repeated or prolonged exposure</b>	Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.

**11.1.2. Mixtures**

	See Section(s) 3 for further information.
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**11.1.3. Hazard Information**

	See Section(s) 2 and 3 for further information.
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**11.1.4. Toxicological Information**

	No data available
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**11.1.5. Hazard Class**

	See Section(s) 2 and 14 for further information.
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**11.1.6. Classification Criteria**

	Based on the Globally Harmonised System (GHS) considerations for the classification of mixtures. See Section 15 for regulatory citations.
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**11.1.7. Information on likely routes of exposure**

	Eye contact. Skin contact. Ingestion. Inhalation.
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**11.1.8. Symptoms related to the physical, chemical and toxicological characteristics**

	See Section(s) 4.2 for further information.
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**11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure**

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## 11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

See Section(s) 4.2 for further information.

## 11.1.10. Interactive effects

No data available.

## 11.1.11. Absence of specific data

<1% of this mixture consists of ingredients of unknown acute toxicity.

## 11.1.12. Mixture versus substance information

See Section(s) 3 for further information.

## 11.1.13. Other information

No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

### 12.2. Persistence and degradability

No data is available on this product.

### 12.3. Bioaccumulative potential

No data is available on this product.

### Partition coefficient

Coconut Multi-Level Controls No data available

### 12.4. Mobility in soil

No data is available on this product.

### 12.5. Results of PBT and vPvB assessment

No data is available on this product.

### 12.6. Other adverse effects

Specific test data for the mixture is not available.

### Further information

Keep out of lakes, ponds, or streams. Do not let product contaminate subsoil.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations. Follow label instructions.

### Disposal methods

Do not contaminate water by cleaning of equipment or disposal of wastes. Do not flush into surface water. Dispose of in compliance with all local and national regulations.

### Disposal of packaging

Nonrefillable container. Do not reuse or refill this container.  
If empty: Do not reuse this container. Place in trash or offer for recycling, if available.  
If partly filled: Call your local solid waste agency for disposal instructions. Never place unused

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## Disposal of packaging

product down any indoor or outdoor drain.

**SECTION 14: Transport information**

## 14.1. UN number

The product is not classified as dangerous for carriage.

## 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

## 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

**SECTION 15: Regulatory information**

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>Regulations Chemical Inventories/Right-to-Know Lists:</b>	<p>According to DENR Administrative order N°2015-09 and GHS.</p> <p>--International--.</p> <p>Basel Convention (Hazardous Waste): Not applicable.</p> <p>Chemical Weapons Convention (OPCW): This product contains no hazardous substances at or above published reporting levels.</p> <p>Kyoto Protocol Greenhouse Gases: This product contains no hazardous substances at or above published reporting levels.</p> <p>Mercosur Agreement: Applicable.</p> <p>Montreal Protocol: This product contains no hazardous substances at or above published reporting levels.</p> <p>The Rotterdam Convention: This product contains no hazardous substances at or above published reporting levels.</p> <p>The Stockholm Convention: This product contains no hazardous substances at or above published reporting levels.</p> <p>--Asia and the ASEAN Nations--.</p> <p>Catalog of Hazardous Chemicals (China): This product contains no hazardous substances at or above published reporting levels.</p> <p>Regulation of Minister of Trade of the Republic of Indonesia, Number 75, Year 2014, regarding The Second Amendment of Minister of Trade, Number 44, Year 2009, Regarding Provision, Distribution, and Control of Hazardous Substances: This product contains no hazardous substances at or above published reporting levels.</p> <p>Air Pollution Control Law (Japan): This product contains no hazardous substances at or above published reporting levels.</p> <p>Chemical Substances Control Law (Japan): This product contains no hazardous substances at or above published reporting levels.</p>
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## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Industrial Safety and Health Act, Dangerous Substances (Japan): This product contains no hazardous substances at or above published reporting levels.

Poisonous and Deleterious Substances Act (Japan): This product contains no hazardous substances at or above published reporting levels.

Soil Contamination Countermeasures Act (Japan): This product contains no hazardous substances at or above published reporting levels.

Water Pollution Control Law (Japan): This product contains no hazardous substances at or above published reporting levels.

Chemical Substances Subject to Permission (Korea): This product contains no hazardous substances at or above published reporting levels.

Restricted or Prohibited Substances (Korea): This product contains no hazardous substances at or above published reporting levels.

Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): This product contains no hazardous substances at or above published reporting levels.

Philippine Inventory of Chemicals and Chemical Substances (PICCS): Toxic Substances and Hazardous and Nuclear Wastes Control Act (RA6969);, All ingredients listed or exempt., No restrictions.

Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): This product contains no hazardous substances at or above published reporting levels.

Hazardous Substances Act (Thailand): This product contains no hazardous substances at or above published reporting levels.

Law on Chemicals (Vietnam): This product contains no hazardous substances at or above published reporting levels.

--Australia and New Zealand--.

Australian Dangerous Goods Code: Not applicable.

Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt., No restrictions.

New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt., No restrictions.

--European Union (EU) and the United Kingdom (UK)--.

Authorisation List (Annex XIV of REACH): This product contains no hazardous substances at or above published reporting levels.

Annex XVII for REACH: This product contains no hazardous substances at or above published reporting levels, No restrictions.

Article 95 of the Biocidal Products Regulation (BPR): Not applicable.

--North America--.

Domestic/Non-Domestic Substances Lists (DSL/NDSL): All ingredients listed or exempt., No restrictions.

Toxic Substances Control Act (TSCA): All ingredients listed or exempt.

Massachusetts Right-to-Know Hazardous Substance List: This product contains no hazardous substances at or above published reporting levels.

New Jersey Worker and Community Right to Know Act: This product contains no hazardous substances at or above published reporting levels.

Pennsylvania Right to Know Law: This product contains no hazardous substances at or above published reporting levels.

Rhode Island Right-to-Know General Law: This product contains no hazardous substances at or above published reporting levels.

California Proposition 65: This product does not contain reportable substances at >0,0001% concentration.

## Coconut Multi-Level Controls

Revision 1  
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## SECTION 16: Other information

## Other information

Revision	<p>This document differs from the previous version in the following areas:</p> <ul style="list-style-type: none"> <li>1 - Manufactured By:</li> <li>7 - 7.2. Conditions for safe storage, including any incompatibilities.</li> <li>9 - 9.1. Information on basic physical and chemical properties (Explosive properties).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Evaporation rate).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Solubility).</li> <li>9 - 9.2. Other information (Conductivity).</li> <li>9 - 9.2. Other information (Partition coefficient).</li> <li>9 - 9.2. Other information (Gas group).</li> <li>9 - 9.2. Other information (Surface tension).</li> <li>9 - 9.2. Other information (Benzene Content).</li> <li>9 - 9.2. Other information (Lead content).</li> <li>10 - 10.4. Conditions to avoid.</li> </ul>
Acronyms	<p>ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR).</p> <p>CAS No.: Chemical Abstracts Service.</p> <p>CLASS: Classification, Labelling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia).</p> <p>FIFRA: U.S. Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>GHS: Globally Harmonized System.</p> <p>HCS 2012: U.S. Hazard Communication Standard (2012 revision).</p> <p>IATA: International Air Transport Association.</p> <p>ICAO: International Civil Aviation Organisation.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>LD: Lethal dose.</p> <p>OEL: Occupational exposure limit.</p> <p>OSHA: U.S. Occupational Safety and Health Administration.</p> <p>PEL: Permissible Exposure Limit.</p> <p>REACH: Registration, Evaluation, Authorisation, and Restriction of Chemicals.</p> <p>STOT: Specific Target Organ Toxicity.</p> <p>SVHC: Substance of very high concern.</p> <p>US DOT: United States Department of Transportation.</p> <p>VOC: Volatile Organic Compound.</p> <p>WEL: Workplace Exposure Limit.</p>

## Further information

	<p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p>
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# SAFETY DATA SHEET

according to DENR Administrative order N°2015-09 and GHS

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## Coconut-HRP Conjugate

Revision 1  
Revision date 2021-12-15

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	Coconut-HRP Conjugate
Product code	(8560)

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC21] Laboratory chemicals;
Description	Intended for laboratory use only. Do not use components from one kit with any other kit.

#### 1.3. Details of the supplier of the safety data sheet

Company name	Neogen Corporation
Address	620 Leshler Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone number	517-372-9200/800-234-5333
Email	SDS@neogen.com

#### 1.4. Emergency telephone number

24 hours:  
Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)  
Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	Based on available data, this product is not classified as hazardous.
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#### 2.2. Label elements

Hazard Statement	No Significant Hazard
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#### 2.3. Other hazards

Other hazards	Contains material(s) which may be harmful if swallowed.
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### SECTION 3: Composition/information on ingredients

#### Description

No components need to be disclosed according to the applicable regulations.  
Concentrations listed are not product specifications.

#### Further information

Full text of Hazard Statements listed in this Section is provided in Section 16.

# Coconut-HRP Conjugate

Revision 1  
Revision date 2021-12-15

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.
Skin contact	Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	Do not induce vomiting unless told to do so by the poison control center or doctor. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

### 4.3. Indication of any immediate medical attention and special treatment needed

	Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical attention if irritation or symptoms persist. If medical advice is needed, have product container or label at hand.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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### 5.2. Special hazards arising from the substance or mixture

	Product does not support combustion. Do not allow undiluted product to be released to ground water, water course or sewage system.
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### 5.3. Advice for firefighters

	Do not breathe vapour or spray mist. Wear self-contained breathing apparatus and chemical-protective clothing.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

	Use as appropriate: Protective equipment, Protective clothing. Ensure adequate ventilation of the working area. Avoid prolonged or repeated exposure.
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### 6.2. Environmental precautions

	Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil.
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### 6.3. Methods and material for containment and cleaning up

	Absorb spillage to prevent material damage. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes.
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### 6.4. Reference to other sections

	See Section(s) 2, 8, and 13 for further information.
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## SECTION 7: Handling and storage

# Coconut-HRP Conjugate

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## 7.1. Precautions for safe handling

	<p>Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or disposal of wastes. Use as appropriate: Protective clothing.</p> <p>Read the entire label and follow all use directions, restrictions, and precautions.</p>
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## 7.2. Conditions for safe storage, including any incompatibilities

	<p>Store at temperatures between 2 °C and 8 °C.</p> <p>Do NOT allow to freeze. Store in correctly labelled containers. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal. Follow label instructions.</p>
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## 7.3. Specific end use(s)

	See Section(s) 1.2 for further information.
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## Further information


	Refer to product label and/or package insert for additional information. Follow label instructions.
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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

	No occupational exposure limits known.
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### 8.2. Exposure controls

	
<b>8.2.1. Appropriate engineering controls</b>	Ensure adequate ventilation of the working area.
<b>8.2.2. Individual protection measures</b>	Use as appropriate: Protective equipment.
<b>Eye / face protection</b>	Use as appropriate: Suitable eye protection.
<b>Skin protection - Handprotection</b>	Use as appropriate: Chemical-resistant gloves made of any waterproof material. Wash the outside of gloves before removing them.
<b>Skin protection - Other</b>	Use as appropriate: Protective clothing. Wash contaminated clothing, separately from other laundry, with detergent and water before reuse.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Occupational exposure controls</b>	Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Protect clothing from contact with the product. Provide chemical shower. Provide eye wash station.

## Further information

	Remove and wash contaminated clothing before reuse.
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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

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Revision date 2021-12-15

## 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Aqueous solution
<b>Colour</b>	Clear/Yellow
<b>Odour</b>	Odourless/Slight
<b>Odour threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Initial boiling point</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Relative density</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Explosive properties</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Solubility</b>	Soluble in water

## 9.2. Other information

<b>Conductivity</b>	No data available
<b>Surface tension</b>	No data available
<b>Benzene Content</b>	No data available
<b>Lead content</b>	No data available
<b>VOC (Volatile organic compounds)</b>	No data available
<b>Gas group</b>	Not applicable.

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	Stable under normal conditions.
--	---------------------------------

## 10.2. Chemical stability

	Stable under normal conditions.
--	---------------------------------

## 10.3. Possibility of hazardous reactions

	Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.
--	---

## 10.4. Conditions to avoid

	Do NOT allow to freeze.
--	-------------------------

## 10.5. Incompatible materials

	No data available.
--	--------------------

## 10.6. Hazardous decomposition products

	Carbon oxides.
--	----------------

## Coconut-HRP Conjugate

Revision 1  
Revision date 2021-12-15**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

<b>Acute toxicity</b>	Based on available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	May cause irritation to skin.
<b>Serious eye damage/irritation</b>	May cause irritation to eyes.
<b>Respiratory or skin sensitisation</b>	May cause allergic reactions in susceptible people.
<b>Germ cell mutagenicity</b>	No mutagenic effects reported.
<b>Carcinogenicity</b>	No components at >0,01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values. No components at >0.01% are listed in the International Agency for Research on Cancer (IARC) Monographs. No components at >0,01% are listed in the National Toxicology Program (NTP) Report on Carcinogens. US State Regulations: New Jersey Right-to-Know Hazardous Substances List: This material contains no listed components.  Pennsylvania Right-to-Know Hazardous Substance List: This material contains no listed components.  Massachusetts Right-to-Know Toxic or Hazardous Substances List: This material contains no listed components.
<b>Reproductive toxicity</b>	No teratogenic effects reported.
<b>STOT-single exposure</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>STOT-repeated exposure</b>	No Significant Hazard.
<b>Aspiration hazard</b>	No Significant Hazard.
<b>Repeated or prolonged exposure</b>	Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.

**11.1.2. Mixtures**

	See Section(s) 3 for further information.
--	---

**11.1.3. Hazard Information**

	See Section(s) 2 and 3 for further information.
--	---

**11.1.4. Toxicological Information**

	No data available
--	-------------------

**11.1.5. Hazard Class**

	See Section(s) 2 and 14 for further information.
--	--

**11.1.6. Classification Criteria**

	Based on the Globally Harmonised System (GHS) considerations for the classification of mixtures. See Section 15 for regulatory citations.
--	--

**11.1.7. Information on likely routes of exposure**

	Eye contact. Skin contact. Ingestion. Inhalation.
--	---

**11.1.8. Symptoms related to the physical, chemical and toxicological characteristics**

	See Section(s) 4.2 for further information.
--	---

**11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure**

# Coconut-HRP Conjugate

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## 11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

See Section(s) 4.2 for further information.

## 11.1.10. Interactive effects

No data available.

## 11.1.11. Absence of specific data

<1% of this mixture consists of ingredients of unknown acute toxicity.

## 11.1.12. Mixture versus substance information

See Section(s) 3 for further information.

## 11.1.13. Other information

No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

### 12.2. Persistence and degradability

No data is available on this product.

### 12.3. Bioaccumulative potential

No data is available on this product.

### Partition coefficient

**Coconut-HRP Conjugate** No data available

### 12.4. Mobility in soil

No data is available on this product.

### 12.5. Results of PBT and vPvB assessment

No data is available on this product.

### 12.6. Other adverse effects

Specific test data for the mixture is not available.

### Further information

Keep out of lakes, ponds, or streams. Do not let product contaminate subsoil.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations. Follow label instructions.

### Disposal methods

Do not contaminate water by cleaning of equipment or disposal of wastes. Do not flush into surface water. Dispose of in compliance with all local and national regulations.

### Disposal of packaging

Nonrefillable container. Do not reuse or refill this container.  
If empty: Do not reuse this container. Place in trash or offer for recycling, if available.  
If partly filled: Call your local solid waste agency for disposal instructions. Never place unused



## Coconut-HRP Conjugate

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## Disposal of packaging

product down any indoor or outdoor drain.

## SECTION 14: Transport information

## 14.1. UN number

The product is not classified as dangerous for carriage.

## 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

## 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>Regulations Chemical Inventories/Right-to-Know Lists:</b>	<p>According to DENR Administrative order N°2015-09 and GHS.</p> <p>--International--.</p> <p>Basel Convention (Hazardous Waste): Not applicable.</p> <p>Chemical Weapons Convention (OPCW): This product contains no hazardous substances at or above published reporting levels.</p> <p>Kyoto Protocol Greenhouse Gases: This product contains no hazardous substances at or above published reporting levels.</p> <p>Mercosur Agreement: Applicable.</p> <p>Montreal Protocol: This product contains no hazardous substances at or above published reporting levels.</p> <p>The Rotterdam Convention: This product contains no hazardous substances at or above published reporting levels.</p> <p>The Stockholm Convention: This product contains no hazardous substances at or above published reporting levels.</p> <p>--Asia and the ASEAN Nations--.</p> <p>Catalog of Hazardous Chemicals (China): This product contains no hazardous substances at or above published reporting levels.</p> <p>Regulation of Minister of Trade of the Republic of Indonesia, Number 75, Year 2014, regarding The Second Amendment of Minister of Trade, Number 44, Year 2009, Regarding Provision, Distribution, and Control of Hazardous Substances: This product contains no hazardous substances at or above published reporting levels.</p> <p>Air Pollution Control Law (Japan): This product contains no hazardous substances at or above published reporting levels.</p> <p>Chemical Substances Control Law (Japan): This product contains no hazardous substances at or above published reporting levels.</p>
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## Coconut-HRP Conjugate

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## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Industrial Safety and Health Act, Dangerous Substances (Japan): This product contains no hazardous substances at or above published reporting levels.

Poisonous and Deleterious Substances Act (Japan): This product contains no hazardous substances at or above published reporting levels.

Soil Contamination Countermeasures Act (Japan): This product contains no hazardous substances at or above published reporting levels.

Water Pollution Control Law (Japan): This product contains no hazardous substances at or above published reporting levels.

Chemical Substances Subject to Permission (Korea): This product contains no hazardous substances at or above published reporting levels.

Restricted or Prohibited Substances (Korea): This product contains no hazardous substances at or above published reporting levels.

Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): This product contains no hazardous substances at or above published reporting levels.

Philippine Inventory of Chemicals and Chemical Substances (PICCS): Toxic Substances and Hazardous and Nuclear Wastes Control Act (RA6969);, All ingredients listed or exempt., No restrictions.

Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): This product contains no hazardous substances at or above published reporting levels.

Hazardous Substances Act (Thailand): This product contains no hazardous substances at or above published reporting levels.

Law on Chemicals (Vietnam): This product contains no hazardous substances at or above published reporting levels.

--Australia and New Zealand--.

Australian Dangerous Goods Code: Not applicable.

Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt., No restrictions.

New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt., No restrictions.

--European Union (EU) and the United Kingdom (UK)--.

Authorisation List (Annex XIV of REACH): This product contains no hazardous substances at or above published reporting levels.

Annex XVII for REACH: This product contains no hazardous substances at or above published reporting levels, No restrictions.

Article 95 of the Biocidal Products Regulation (BPR): Not applicable.

--North America--.

Domestic/Non-Domestic Substances Lists (DSL/NDSL): All ingredients listed or exempt., No restrictions.

Toxic Substances Control Act (TSCA): All ingredients listed or exempt.

Massachusetts Right-to-Know Hazardous Substance List: This product contains no hazardous substances at or above published reporting levels.

New Jersey Worker and Community Right to Know Act: This product contains no hazardous substances at or above published reporting levels.

Pennsylvania Right to Know Law: This product contains no hazardous substances at or above published reporting levels.

Rhode Island Right-to-Know General Law: This product contains no hazardous substances at or above published reporting levels.

California Proposition 65: This product does not contain reportable substances at >0,0001% concentration.

## Coconut-HRP Conjugate

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## SECTION 16: Other information

## Other information

Revision	<p>This document differs from the previous version in the following areas:</p> <ul style="list-style-type: none"> <li>1 - Manufactured By:</li> <li>7 - 7.2. Conditions for safe storage, including any incompatibilities.</li> <li>9 - 9.1. Information on basic physical and chemical properties (Explosive properties).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Evaporation rate).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Solubility).</li> <li>9 - 9.2. Other information (Conductivity).</li> <li>9 - 9.2. Other information (Partition coefficient).</li> <li>9 - 9.2. Other information (Gas group).</li> <li>9 - 9.2. Other information (Surface tension).</li> <li>9 - 9.2. Other information (Benzene Content).</li> <li>9 - 9.2. Other information (Lead content).</li> <li>10 - 10.4. Conditions to avoid.</li> </ul>
Acronyms	<p>ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR).</p> <p>CAS No.: Chemical Abstracts Service.</p> <p>CLASS: Classification, Labelling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia).</p> <p>FIFRA: U.S. Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>GHS: Globally Harmonized System.</p> <p>HCS 2012: U.S. Hazard Communication Standard (2012 revision).</p> <p>IATA: International Air Transport Association.</p> <p>ICAO: International Civil Aviation Organisation.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>LD: Lethal dose.</p> <p>OEL: Occupational exposure limit.</p> <p>OSHA: U.S. Occupational Safety and Health Administration.</p> <p>PEL: Permissible Exposure Limit.</p> <p>REACH: Registration, Evaluation, Authorisation, and Restriction of Chemicals.</p> <p>STOT: Specific Target Organ Toxicity.</p> <p>SVHC: Substance of very high concern.</p> <p>US DOT: United States Department of Transportation.</p> <p>VOC: Volatile Organic Compound.</p> <p>WEL: Workplace Exposure Limit.</p>

## Further information

	<p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p>
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## SAFETY DATA SHEET

according to DENR Administrative order N°2015-09 and GHS

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### K-Blue® Advanced Plus TMB Substrate

Revision 1

Revision date 2021-01-14

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name	K-Blue® Advanced Plus TMB Substrate
Product code	379171, 379175, 379176, 379177, 379257, 379xxx

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC21] Laboratory chemicals;
Description	Substrate Solution. Intended for laboratory use only.

##### 1.3. Details of the supplier of the safety data sheet

Company name	Neogen Corporation
Address	620 Leshler Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone number	517-372-9200/800-234-5333
Email	SDS@neogen.com

##### 1.4. Emergency telephone number

	24 hours: Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international) Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)
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##### Further information

	Manufactured By: Neogen Corporation 944 Nandino Blvd. Lexington, KY 40511-1205 U.S.A.
--	--

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	Based on available data, this product is not classified as hazardous.
-----------------------------	---

##### 2.2. Label elements

Hazard Statement	No Significant Hazard
------------------	-----------------------

##### 2.3. Other hazards

Other hazards	Contains material(s) which may be harmful if swallowed.
---------------	---

#### SECTION 3: Composition/information on ingredients

## K-Blue® Advanced Plus TMB Substrate

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## 3.2. Mixtures

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Dimethyl sulfoxide		67-68-5	200-664-3		1 - 10%	Flam. Liq. 4: H227; Skin Irrit. 2: H315; Eye Irrit. 2: H319;
Urea hydrogen peroxide		124-43-6	204-701-4		0 - 0.5%	Ox. Sol. 3: H272; Skin Corr. 1B: H314; Eye Dam. 1: H318;

## Description

No components need to be disclosed according to the applicable regulations. Concentrations listed are not product specifications.

## Further information

Full text of Hazard Statements listed in this Section is provided in Section 16.

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.
Skin contact	Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	Do not induce vomiting unless told to do so by the poison control center or doctor. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

## 4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

## 4.3. Indication of any immediate medical attention and special treatment needed

Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical attention if irritation or symptoms persist. If medical advice is needed, have product container or label at hand.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

## 5.2. Special hazards arising from the substance or mixture

Contains oxidising substance(s) at <0.1%. Do not allow undiluted product to be released to ground water, water course or sewage system.

## 5.3. Advice for firefighters

Do not breathe vapour or spray mist. Wear self-contained breathing apparatus and chemical-protective clothing.

## SECTION 6: Accidental release measures

# K-Blue® Advanced Plus TMB Substrate

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## 6.1. Personal precautions, protective equipment and emergency procedures

	Use as appropriate: Protective equipment, Protective clothing. Ensure adequate ventilation of the working area. Avoid prolonged or repeated exposure.
--	---

## 6.2. Environmental precautions

	Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil.
--	---

## 6.3. Methods and material for containment and cleaning up

	Absorb spillage to prevent material damage. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes.
--	---

## 6.4. Reference to other sections

	See Section(s) 2, 8, and 13 for further information.
--	--

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or disposal of wastes. Use as appropriate: Protective clothing. Read the entire label and follow all use directions, restrictions, and precautions.
--	--

### 7.2. Conditions for safe storage, including any incompatibilities

	Store at temperatures between 2 °C and 8 °C. Store in correctly labelled containers. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal. Follow label instructions.
--	---

### 7.3. Specific end use(s)

	See Section(s) 1.2 for further information.
--	---

### Further information


	Refer to product label and/or package insert for additional information. Follow label instructions.
--	---

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

	No occupational exposure limits known.
--	--

### 8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Use as appropriate: Protective equipment.
Eye / face protection	Use as appropriate: Suitable eye protection.
Skin protection - Handprotection	Use as appropriate: Chemical-resistant gloves made of any waterproof material. Wash the outside of gloves before removing them.
Skin protection - Other	Use as appropriate: Protective clothing. Wash contaminated clothing, separately from other laundry, with detergent and water before reuse.

## K-Blue® Advanced Plus TMB Substrate

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## 8.2. Exposure controls

<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Occupational exposure controls</b>	Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Protect clothing from contact with the product. Provide chemical shower. Provide eye wash station.

## Further information

	Remove and wash contaminated clothing before reuse.
--	---

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Clear/Colourless
<b>Odour</b>	Odourless
<b>pH</b>	3.1 - 3.4
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Initial boiling point</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Relative density</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Viscosity</b>	No data available
<b>Odour threshold</b>	No data available
<b>Explosive properties</b>	Not applicable.
<b>Autoignition temperature</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Solubility</b>	Soluble in water

## 9.2. Other information

<b>Conductivity</b>	No data available
<b>Surface tension</b>	No data available
<b>Benzene Content</b>	No data available
<b>Lead content</b>	No data available
<b>VOC (Volatile organic compounds)</b>	No data available
<b>Gas group</b>	Not applicable.

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	Stable under normal conditions.
--	---------------------------------

## 10.2. Chemical stability

	Stable under normal conditions.
--	---------------------------------

## 10.3. Possibility of hazardous reactions

	Under the specified conditions, hazardous reactions that lead to excessive temperatures or
--	--

## K-Blue® Advanced Plus TMB Substrate

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## 10.3. Possibility of hazardous reactions

pressure are not expected.

## 10.4. Conditions to avoid

Keep away from extreme temperatures.

## 10.5. Incompatible materials

No data available.

## 10.6. Hazardous decomposition products

Carbon oxides.

**SECTION 11: Toxicological information**

## 11.1. Information on toxicological effects

<b>Acute toxicity</b>	Based on available data, the classification criteria are not met. However, this product does contain substance(s) that are classified as hazardous. For more information, see Section 3.
<b>Skin corrosion/irritation</b>	May cause irritation to skin.
<b>Serious eye damage/irritation</b>	May cause irritation to eyes.
<b>Respiratory or skin sensitisation</b>	May cause allergic reactions in susceptible people.
<b>Germ cell mutagenicity</b>	No mutagenic effects reported.
<b>Carcinogenicity</b>	No components at >0,01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values. No components at >0.01% are listed in the International Agency for Research on Cancer (IARC) Monographs. No components at >0,01% are listed in the National Toxicology Program (NTP) Report on Carcinogens. US State Regulations: New Jersey Right-to-Know Hazardous Substances List: This material contains no listed components.  Pennsylvania Right-to-Know Hazardous Substance List: This material contains no listed components.  Massachusetts Right-to-Know Toxic or Hazardous Substances List: This material contains no listed components.
<b>Reproductive toxicity</b>	No teratogenic effects reported.
<b>STOT-single exposure</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>STOT-repeated exposure</b>	No Significant Hazard.
<b>Aspiration hazard</b>	No Significant Hazard.
<b>Repeated or prolonged exposure</b>	Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.

## 11.1.2. Mixtures

See Section(s) 3 for further information.

## 11.1.3. Hazard Information

See Section(s) 2 and 3 for further information.

## 11.1.4. Toxicological Information

No data available

## 11.1.5. Hazard Class



## K-Blue® Advanced Plus TMB Substrate

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## 11.1.5. Hazard Class

See Section(s) 2 and 14 for further information.

## 11.1.6. Classification Criteria

Based on the Globally Harmonised System (GHS) considerations for the classification of mixtures.  
See Section 15 for regulatory citations.

## 11.1.7. Information on likely routes of exposure

Eye contact. Skin contact. Ingestion. Inhalation.

## 11.1.8. Symptoms related to the physical, chemical and toxicological characteristics

See Section(s) 4.2 for further information.

## 11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

See Section(s) 4.2 for further information.

## 11.1.10. Interactive effects

No data available.

## 11.1.11. Absence of specific data

&lt;1% of this mixture consists of ingredients of unknown acute toxicity.

## 11.1.12. Mixture versus substance information

See Section(s) 3 for further information.

## 11.1.13. Other information

No data available.

## SECTION 12: Ecological information

## 12.1. Toxicity

No data available

## 12.2. Persistence and degradability

No data is available on this product.

## 12.3. Bioaccumulative potential

No data is available on this product.

## Partition coefficient

K-Blue® Advanced Plus TMB Substrate No data available

## 12.4. Mobility in soil

No data is available on this product.

## 12.5. Results of PBT and vPvB assessment

No data is available on this product.

## 12.6. Other adverse effects

Specific test data for the mixture is not available.

## Further information

Keep out of lakes, ponds, or streams. Do not let product contaminate subsoil.

## K-Blue® Advanced Plus TMB Substrate

Revision 1  
Revision date 2021-01-14**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Dispose of in compliance with all local and national regulations. Follow label instructions.

**Disposal methods**

Do not contaminate water by cleaning of equipment or disposal of wastes. Do not flush into surface water. Dispose of in compliance with all local and national regulations.

**Disposal of packaging**

Nonrefillable container. Do not reuse or refill this container.  
 If empty: Do not reuse this container. Place in trash or offer for recycling, if available.  
 If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**SECTION 14: Transport information****14.1. UN number**

The product is not classified as dangerous for carriage.

**14.2. UN proper shipping name**

The product is not classified as dangerous for carriage.

**14.3. Transport hazard class(es)**

The product is not classified as dangerous for carriage.

**14.4. Packing group**

The product is not classified as dangerous for carriage.

**14.5. Environmental hazards**

The product is not classified as dangerous for carriage.

**14.6. Special precautions for user**

The product is not classified as dangerous for carriage.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

The product is not classified as dangerous for carriage.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Regulations**

According to DENR Administrative order N°2015-09 and GHS.

**Chemical Inventories/Right-to-Know Lists:**

--International--  
 Basel Convention (Hazardous Waste): Not applicable.  
 Chemical Weapons Convention (OPCW): This product contains no hazardous substances at or above published reporting levels.  
 Kyoto Protocol Greenhouse Gases: This product contains no hazardous substances at or above published reporting levels.  
 Mercosur Agreement: Applicable.  
 Montreal Protocol: This product contains no hazardous substances at or above published reporting levels.  
 The Rotterdam Convention: This product contains no hazardous substances at or above published reporting levels.  
 The Stockholm Convention: This product contains no hazardous substances at or above published reporting levels.

## K-Blue® Advanced Plus TMB Substrate

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## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

--Asia and the ASEAN Nations--.

Catalog of Hazardous Chemicals (China): [899, Urea peroxide, CAS No. 124-43-6 (<0.1%)].

Regulation of Minister of Trade of the Republic of Indonesia, Number 75, Year 2014, regarding The Second Amendment of Minister of Trade, Number 44, Year 2009, Regarding Provision, Distribution, and Control of Hazardous Substances: This product contains no hazardous substances at or above published reporting levels.

Air Pollution Control Law (Japan): This product contains no hazardous substances at or above published reporting levels.

Chemical Substances Control Law (Japan): This product contains no hazardous substances at or above published reporting levels.

Industrial Safety and Health Act, Dangerous Substances (Japan): This product contains no hazardous substances at or above published reporting levels.

Poisonous and Deleterious Substances Act (Japan): This product contains no hazardous substances at or above published reporting levels.

Soil Contamination Countermeasures Act (Japan): This product contains no hazardous substances at or above published reporting levels.

Water Pollution Control Law (Japan): This product contains no hazardous substances at or above published reporting levels.

Chemical Substances Subject to Permission (Korea): This product contains no hazardous substances at or above published reporting levels.

Restricted or Prohibited Substances (Korea): This product contains no hazardous substances at or above published reporting levels.

Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): This product contains no hazardous substances at or above published reporting levels.

Philippine Inventory of Chemicals and Chemical Substances (PICCS): Toxic Substances and Hazardous and Nuclear Wastes Control Act (RA6969):, All ingredients listed or exempt., No restrictions.

Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): This product contains no hazardous substances at or above published reporting levels.

Hazardous Substances Act (Thailand): This product contains no hazardous substances at or above published reporting levels.

Law on Chemicals (Vietnam): Decree 113/2017/ND-CP: List of chemicals subject to conditional industrial production and trading, Decree 113/2017/ND-CP: List of chemicals subject to compulsory declaration, [Urea hydrogen peroxide, CAS No. 124-43-6 (<0.1%)].

--Australia and New Zealand--.

Australian Dangerous Goods Code: Not applicable.

Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt., No restrictions.

New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt., No restrictions.

--European Union (EU) and the United Kingdom (UK)--.

Authorisation List (Annex XIV of REACH): This product contains no hazardous substances at or above published reporting levels.

Annex XVII for REACH: This product contains no hazardous substances at or above published reporting levels, No restrictions.

Article 95 of the Biocidal Products Regulation (BPR): Not applicable.

--North America--.

Domestic/Non-Domestic Substances Lists (DSL/NDSL): All ingredients listed or exempt., No restrictions.

Toxic Substances Control Act (TSCA): All ingredients listed or exempt.

## K-Blue® Advanced Plus TMB Substrate

Revision 1  
Revision date 2021-01-14

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

	<p>Massachusetts Right-to-Know Hazardous Substance List: This product contains no hazardous substances at or above published reporting levels.</p> <p>New Jersey Worker and Community Right to Know Act: Dimethyl sulfoxide, CAS No. 67-68-5.</p> <p>Pennsylvania Right to Know Law: This product contains no hazardous substances at or above published reporting levels.</p> <p>Rhode Island Right-to-Know General Law: This product contains no hazardous substances at or above published reporting levels.</p> <p>California Proposition 65: This product does not contain reportable substances at &gt;0,0001% concentration.</p>
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## SECTION 16: Other information

## Other information

<b>Revision</b>	<p>This document differs from the previous version in the following areas:.</p> <p>2 - Other hazards.</p> <p>5 - 5.2. Special hazards arising from the substance or mixture.</p>
<b>Acronyms</b>	<p>ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR).</p> <p>CAS No.: Chemical Abstracts Service.</p> <p>CLASS: Classification, Labelling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia).</p> <p>FIFRA: U.S. Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>GHS: Globally Harmonized System.</p> <p>HCS 2012: U.S. Hazard Communication Standard (2012 revision).</p> <p>IATA: International Air Transport Association.</p> <p>ICAO: International Civil Aviation Organisation.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>LD: Lethal dose.</p> <p>OEL: Occupational exposure limit.</p> <p>OSHA: U.S. Occupational Safety and Health Administration.</p> <p>PEL: Permissible Exposure Limit.</p> <p>REACH: Registration, Evaluation, Authorisation, and Restriction of Chemicals.</p> <p>STOT: Specific Target Organ Toxicity.</p> <p>SVHC: Substance of very high concern.</p> <p>US DOT: United States Department of Transportation.</p> <p>VOC: Volatile Organic Compound.</p> <p>WEL: Workplace Exposure Limit.</p>
<b>Text of Hazard Statements in Section 3</b>	<p>Flam. Liq. 4: H227 - Combustible liquid.</p> <p>Skin Irrit. 2: H315 - Causes skin irritation.</p> <p>Eye Irrit. 2: H319 - Causes serious eye irritation.</p> <p>Ox. Sol. 3: H272 - May intensify fire; oxidiser.</p> <p>Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.</p> <p>Eye Dam. 1: H318 - Causes serious eye damage.</p>

## Further information

	<p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p>
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# K-Blue® Advanced Plus TMB Substrate

Revision 1  
Revision date 2021-01-14

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**Further information**

	Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.
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# SAFETY DATA SHEET

according to DENR Administrative order N°2015-09 and GHS

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## K-Blue® Advanced Substrate

Revision 10

Revision date 2021-07-27

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	K-Blue® Advanced Substrate
Product code	21266, 27090, 319171, 319210

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC21] Laboratory chemicals;
Description	Substrate Solution. Intended for laboratory use only.

#### 1.3. Details of the supplier of the safety data sheet

Company name	Neogen Corporation
Address	620 Leshler Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone number	517-372-9200/800-234-5333
Email	SDS@neogen.com

#### 1.4. Emergency telephone number

	24 hours: Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international) Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)
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#### Further information


	Manufactured By: Neogen Corporation 944 Nandino Blvd. Lexington, KY 40511-1205 U.S.A.
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	Repr. 1B: H360D;
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#### 2.2. Label elements

Hazard pictograms	
Signal Word	Danger

## K-Blue® Advanced Substrate

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## 2.2. Label elements

<b>Hazard Statement</b>	Repr. 1B: H360D - May damage the unborn child.
<b>Precautionary Statement: Prevention</b>	P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary Statement: Response</b>	P308+P313 - IF exposed or concerned: Get medical advice/attention.
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to an approved hazardous/special waste disposal facility in accordance with local and national regulations

## 2.3. Other hazards

<b>Other hazards</b>	Contains material(s) which may be harmful if swallowed. Contains oxidising substance(s) at <0.5%.
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## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
2-Pyrrolidinone		616-45-5	210-483-1		1 - 10%	Eye Irrit. 2: H319; Repr. 1B: H360D;
Urea hydrogen peroxide		124-43-6	204-701-4		0 - 0.5%	Ox. Sol. 3: H272; Skin Corr. 1B: H314; Eye Dam. 1: H318;

## Description

	Concentrations listed are not product specifications.
--	---

## Further information

	Full text of Hazard Statements listed in this Section is provided in Section 16.
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## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.
<b>Eye contact</b>	Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.
<b>Skin contact</b>	Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	Do not induce vomiting unless told to do so by the poison control center or doctor. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

## 4.2. Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	May cause irritation to respiratory system.
<b>Eye contact</b>	May cause irritation to eyes.
<b>Skin contact</b>	May cause irritation to skin.
<b>Ingestion</b>	Ingestion may cause nausea and vomiting. May damage fertility or the unborn child .

## 4.3. Indication of any immediate medical attention and special treatment needed

	Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical attention if irritation or symptoms persist. If medical advice is needed, have product container or label at hand.
--	--

## K-Blue® Advanced Substrate

Revision 10  
Revision date 2021-07-27**SECTION 5: Firefighting measures****5.1. Extinguishing media**

Use extinguishing media appropriate to the surrounding fire conditions.

**5.2. Special hazards arising from the substance or mixture**

Contains oxidising substance(s) at &lt;0.5%. Do not allow undiluted product to be released to ground water, water course or sewage system.

**5.3. Advice for firefighters**

Do not breathe vapour or spray mist. Wear self-contained breathing apparatus and chemical-protective clothing.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Use as appropriate: Protective equipment, Protective clothing. Ensure adequate ventilation of the working area. Avoid prolonged or repeated exposure.

**6.2. Environmental precautions**

Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil.

**6.3. Methods and material for containment and cleaning up**

Absorb spillage to prevent material damage. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

**6.4. Reference to other sections**

See Section(s) 2, 8, and 13 for further information.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or disposal of wastes. Use as appropriate: Protective clothing.

Read the entire label and follow all use directions, restrictions, and precautions.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in correctly labelled containers. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal. Follow label instructions.

**7.3. Specific end use(s)**

See Section(s) 1.2 for further information.

**Further information**

Refer to product label and/or package insert for additional information. Follow label instructions.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

No occupational exposure limits known.


**8.2. Exposure controls**



## K-Blue® Advanced Substrate

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## 8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Use as appropriate: Protective equipment.
Eye / face protection	Use as appropriate: Suitable eye protection.
Skin protection - Handprotection	Use as appropriate: Chemical-resistant gloves made of any waterproof material. Wash the outside of gloves before removing them.
Skin protection - Other	Use as appropriate: Protective clothing. Wash contaminated clothing, separately from other laundry, with detergent and water before reuse.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Occupational exposure controls	Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Protect clothing from contact with the product. Provide chemical shower. Provide eye wash station.

## Further information

	Remove and wash contaminated clothing before reuse.
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## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear/Light blue
Odour	Characteristic
Odour threshold	No data available
pH	3.1 - 3.5
Melting point	No data available
Freezing Point	No data available
Initial boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable.
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Partition coefficient	No data available
Autoignition temperature	Not applicable.
Viscosity	No data available
Explosive properties	Not applicable.
Oxidising properties	No data available
Solubility	Soluble in water

## 9.2. Other information

## K-Blue® Advanced Substrate

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## 9.2. Other information

Conductivity	No data available
Surface tension	No data available
VOC (Volatile organic compounds)	No data available

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	Stable under normal conditions.
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## 10.2. Chemical stability

	Stable under normal conditions.
--	---------------------------------

## 10.3. Possibility of hazardous reactions

	Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.
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## 10.4. Conditions to avoid

	Keep away from extreme temperatures.
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## 10.5. Incompatible materials

	No data available.
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## 10.6. Hazardous decomposition products

	Carbon oxides.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met. However, this product does contain substance(s) that are classified as hazardous. For more information, see Section 3.
Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	May cause irritation to eyes.
Respiratory or skin sensitisation	May cause allergic reactions in susceptible people.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No components at >0,01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values. No components at >0.01% are listed in the International Agency for Research on Cancer (IARC) Monographs. No components at >0,01% are listed in the National Toxicology Program (NTP) Report on Carcinogens. US State Regulations: New Jersey Right-to-Know Hazardous Substances List: This material contains no listed components.  Pennsylvania Right-to-Know Hazardous Substance List: This material contains no listed components.  Massachusetts Right-to-Know Toxic or Hazardous Substances List: This material contains no listed components.
Reproductive toxicity	Toxic for reproduction category 1.

## K-Blue® Advanced Substrate

Revision 10  
Revision date 2021-07-27**11.1. Information on toxicological effects**

<b>STOT-single exposure</b> <b>STOT-repeated exposure</b> <b>Aspiration hazard</b> <b>Repeated or prolonged exposure</b>	May damage fertility or the unborn child .
	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
	No Significant Hazard. May cause damage to human organs based on animal data.
	No Significant Hazard.
	Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.

**11.1.2. Mixtures**

	See Section(s) 3 for further information.
--	---

**11.1.3. Hazard Information**

	See Section(s) 2 and 3 for further information.
--	---

**11.1.4. Toxicological Information**

	No data available
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**11.1.5. Hazard Class**

	See Section(s) 2 and 14 for further information.
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**11.1.6. Classification Criteria**

	Based on the Globally Harmonised System (GHS) considerations for the classification of mixtures. See Section 15 for regulatory citations.
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**11.1.7. Information on likely routes of exposure**

	Eye contact. Skin contact. Ingestion. Inhalation.
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**11.1.8. Symptoms related to the physical, chemical and toxicological characteristics**

	See Section(s) 4.2 for further information.
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**11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure**

	See Section(s) 4.2 for further information.
--	---

**11.1.10. Interactive effects**

	No data available.
--	--------------------

**11.1.11. Absence of specific data**

	<1% of this mixture consists of ingredients of unknown acute toxicity.
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**11.1.12. Mixture versus substance information**

	See Section(s) 3 for further information.
--	---

**11.1.13. Other information**

	No data available.
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**SECTION 12: Ecological information****12.1. Toxicity**

	No data available
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**12.2. Persistence and degradability**

	No data is available on this product.
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**12.3. Bioaccumulative potential**

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Revision date 2021-07-27

## 12.3. Bioaccumulative potential

No data is available on this product.

## Partition coefficient

K-Blue® Advanced Substrate No data available

## 12.4. Mobility in soil

No data is available on this product.

## 12.5. Results of PBT and vPvB assessment

No data is available on this product.

## 12.6. Other adverse effects

Specific test data for the mixture is not available.

## Further information

Keep out of lakes, ponds, or streams. Do not let product contaminate subsoil.

## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations. Follow label instructions.

## Disposal methods

Do not contaminate water by cleaning of equipment or disposal of wastes. Do not flush into surface water. Dispose of in compliance with all local and national regulations.

## Disposal of packaging

Nonrefillable container. Do not reuse or refill this container.

If empty: Do not reuse this container. Place in trash or offer for recycling, if available.

If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

## SECTION 14: Transport information

## 14.1. UN number

The product is not classified as dangerous for carriage.

## 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

## 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

## K-Blue® Advanced Substrate

Revision 10

Revision date 2021-07-27

## SECTION 15: Regulatory information

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>Regulations</b> <b>Chemical</b> <b>Inventories/Right-to-Know</b> <b>Lists:</b>	<p>According to DENR Administrative order N°2015-09 and GHS.</p> <hr/> <p>--International--</p> <p>Basel Convention (Hazardous Waste): H11.</p> <p>Chemical Weapons Convention (OPCW): This product contains no hazardous substances at or above published reporting levels.</p> <p>Kyoto Protocol Greenhouse Gases: This product contains no hazardous substances at or above published reporting levels.</p> <p>Mercosur Agreement: Applicable.</p> <p>Montreal Protocol: This product contains no hazardous substances at or above published reporting levels.</p> <p>The Rotterdam Convention: This product contains no hazardous substances at or above published reporting levels.</p> <p>The Stockholm Convention: This product contains no hazardous substances at or above published reporting levels.</p> <p>--Asia and the ASEAN Nations--</p> <p>Catalog of Hazardous Chemicals (China): [1908, Triethyltetramine, CAS No. 112-24-3 (&lt;0.1%)], [899, Urea hydrogen peroxide, CAS No. 124-43-6 (&lt;0.05%)].</p> <p>Regulation of Minister of Trade of the Republic of Indonesia, Number 75, Year 2014, regarding The Second Amendment of Minister of Trade, Number 44, Year 2009, Regarding Provision, Distribution, and Control of Hazardous Substances: This product contains no hazardous substances at or above published reporting levels.</p> <p>Air Pollution Control Law (Japan): Hazardous substance / Priority chemicals, [Triethyltetramine, CAS No. 112-24-3 (&lt;0.1%)].</p> <p>Chemical Substances Control Law (Japan): Class I environmental release, [Triethyltetramine, CAS No. 112-24-3 (&lt;0.1%)]. Type II monitoring, No. 982 [Triethyltetramine, CAS No. 112-24-3 (&lt;0.1%)].</p> <p>Industrial Safety and Health Act, Dangerous Substances (Japan): This product contains no hazardous substances at or above published reporting levels.</p> <p>Poisonous and Deleterious Substances Act (Japan): [Triethyltetramine, CAS No. 112-24-3 (&lt;0.1%)], [Urea hydrogen peroxide, CAS No. 124-43-6 (&lt;0.1%)].</p> <p>Soil Contamination Countermeasures Act (Japan): This product contains no hazardous substances at or above published reporting levels.</p> <p>Water Pollution Control Law (Japan): This product contains no hazardous substances at or above published reporting levels.</p> <p>Chemical Substances Subject to Permission (Korea): This product contains no hazardous substances at or above published reporting levels.</p> <p>Restricted or Prohibited Substances (Korea): This product contains no hazardous substances at or above published reporting levels.</p> <p>Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): This product contains no hazardous substances at or above published reporting levels.</p> <p>Philippine Inventory of Chemicals and Chemical Substances (PICCS): Toxic Substances and Hazardous and Nuclear Wastes Control Act (RA6969):, All ingredients listed or exempt., No restrictions.</p> <p>Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): This product contains no hazardous substances at or above published reporting levels.</p> <p>Hazardous Substances Act (Thailand): Type 1, [Triethyltetramine, CAS No. 112-24-3 (&lt;0.1%)].</p> <p>Law on Chemicals (Vietnam): Decree 113/2017/ND-CP: List of chemicals subject to conditional industrial production and trading, Decree 113/2017/ND-CP: List of chemicals subject to compulsory declaration, [Triethyltetramine, CAS No. 112-24-3 (&lt;0.1%)], [Urea hydrogen peroxide,</p>
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## K-Blue® Advanced Substrate

Revision 10  
Revision date 2021-07-27

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

CAS No. 124-43-6 (<0.05%)].

--Australia and New Zealand--.  
Australian Dangerous Goods Code: Not applicable.  
Australian Inventory of Chemical Substances (AICS): This product contains one or more components that are not listed or exempt from listing on the inventory administered by the governing country, (<0.1%).  
New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt., No restrictions.

--European Union (EU) and the United Kingdom (UK)--.  
Authorisation List (Annex XIV of REACH): This product contains no hazardous substances at or above published reporting levels.  
Annex XVII for REACH: This product contains no hazardous substances at or above published reporting levels, No restrictions.  
Article 95 of the Biocidal Products Regulation (BPR): Not applicable.

--North America--.  
Domestic/Non-Domestic Substances Lists (DSL/NDSL): All ingredients listed or exempt., No restrictions.  
Toxic Substances Control Act (TSCA): This product contains one or more components that are not listed or exempt from listing on the inventory administered by the governing country, (<0.1%).  
Massachusetts Right-to-Know Hazardous Substance List: This product contains no hazardous substances at or above published reporting levels.  
New Jersey Worker and Community Right to Know Act: This product contains no hazardous substances at or above published reporting levels.  
Pennsylvania Right to Know Law: This product contains no hazardous substances at or above published reporting levels.  
Rhode Island Right-to-Know General Law: This product contains no hazardous substances at or above published reporting levels.

California Proposition 65: This product does not contain reportable substances at >0,0001% concentration.

## SECTION 16: Other information

## Other information

<b>Revision</b>	This document differs from the previous version in the following areas:. 1 - Product code.
<b>Acronyms</b>	ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR). CAS No.: Chemical Abstracts Service. CLASS: Classification, Labelling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia). FIFRA: U.S. Federal Insecticide, Fungicide, and Rodenticide Act. GHS: Globally Harmonized System. HCS 2012: U.S. Hazard Communication Standard (2012 revision). IATA: International Air Transport Association. ICAO: International Civil Aviation Organisation. IMDG: International Maritime Dangerous Goods. LD: Lethal dose. OEL: Occupational exposure limit. OSHA: U.S. Occupational Safety and Health Administration. PEL: Permissible Exposure Limit.

## K-Blue® Advanced Substrate

Revision 10  
Revision date 2021-07-27

## Other information

	<p>REACH: Registration, Evaluation, Authorisation, and Restriction of Chemicals.          STOT: Specific Target Organ Toxicity.          SVHC: Substance of very high concern.          US DOT: United States Department of Transportation.          VOC: Volatile Organic Compound.          WEL: Workplace Exposure Limit.</p>
<p><b>Text of Hazard Statements in Section 3</b></p>	<p>Eye Irrit. 2: H319 - Causes serious eye irritation.          Repr. 1B: H360D - May damage the unborn child.          Ox. Sol. 3: H272 - May intensify fire; oxidiser.          Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.          Eye Dam. 1: H318 - Causes serious eye damage.</p>

## Further information

	<p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p>
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# SAFETY DATA SHEET

according to DENR Administrative order N°2015-09 and GHS

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## Red Stop Solution

Revision 6  
Revision date 2021-09-10

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	Red Stop Solution
Product code	301210, 301471, 301473, 301474, 301475, 301476

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC21] Laboratory chemicals;
Description	Intended for laboratory use only. Do not use components from one kit with any other kit.

#### 1.3. Details of the supplier of the safety data sheet

Company name	Neogen Corporation
Address	620 Leshler Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone number	517-372-9200/800-234-5333
Email	SDS@neogen.com

#### 1.4. Emergency telephone number

	24 hours: Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international) Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)
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#### Further information

	Manufactured By: Neogen Corporation 944 Nandino Blvd. Lexington, KY 40511-1205 U.S.A.
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	Based on available data, this product is not classified as hazardous.
-----------------------------	---

#### 2.2. Label elements

Hazard Statement	No Significant Hazard
------------------	-----------------------

#### 2.3. Other hazards

Other hazards	Contains material(s) which may be harmful if swallowed. Contains substance(s) which are hazardous to the environment.
---------------	---

### SECTION 3: Composition/information on ingredients



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## 3.2. Mixtures

### EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Sodium fluoride.		7681-49-4	231-667-8		0 - 0.5%	Acute Tox. 3: H301; Skin Corr. 1C: H314; Eye Irrit. 2: H319; Aquatic Acute 3: H402;

### Description

Concentrations listed are not product specifications.

### Further information

Full text of Hazard Statements listed in this Section is provided in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.
Skin contact	Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	Do not induce vomiting unless told to do so by the poison control center or doctor. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

### 4.3. Indication of any immediate medical attention and special treatment needed

Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical attention if irritation or symptoms persist. If medical advice is needed, have product container or label at hand.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

### 5.2. Special hazards arising from the substance or mixture

Product does not support combustion. Do not allow undiluted product to be released to ground water, water course or sewage system.

### 5.3. Advice for firefighters

Do not breathe vapour or spray mist. Wear self-contained breathing apparatus and chemical-protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

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## 6.1. Personal precautions, protective equipment and emergency procedures

Use as appropriate: Protective equipment, Protective clothing. Ensure adequate ventilation of the working area. Avoid prolonged or repeated exposure.

## 6.2. Environmental precautions

Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil.

## 6.3. Methods and material for containment and cleaning up

Absorb spillage to prevent material damage. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

## 6.4. Reference to other sections

See Section(s) 2, 8, and 13 for further information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or disposal of wastes. Use as appropriate: Protective clothing.  
Read the entire label and follow all use directions, restrictions, and precautions.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep refrigerated.  
Store in correctly labelled containers. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal. Follow label instructions.

### 7.3. Specific end use(s)

See Section(s) 1.2 for further information.

### Further information

Refer to product label and/or package insert for additional information. Follow label instructions.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No occupational exposure limits known.

### 8.2. Exposure controls



#### 8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

#### 8.2.2. Individual protection measures

Use as appropriate: Protective equipment.

#### Eye / face protection

Use as appropriate: Suitable eye protection.

#### Skin protection - Handprotection

Use as appropriate: Chemical-resistant gloves made of any waterproof material. Wash the outside of gloves before removing them.

#### Skin protection - Other

Use as appropriate: Protective clothing. Wash contaminated clothing, separately from other laundry, with detergent and water before reuse.

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## 8.2. Exposure controls

<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Occupational exposure controls</b>	Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Protect clothing from contact with the product. Provide chemical shower. Provide eye wash station.

## Further information

	Remove and wash contaminated clothing before reuse.
--	---

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Clear/Red
<b>Odour</b>	Characteristic
<b>Odour threshold</b>	No data available
<b>pH</b>	8.7
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Initial boiling point</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Relative density</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	Not applicable.
<b>Oxidising properties</b>	No data available
<b>Solubility</b>	Soluble in water

### 9.2. Other information

<b>Conductivity</b>	No data available
<b>Surface tension</b>	No data available
<b>Gas group</b>	Not applicable.
<b>Benzene Content</b>	No data available
<b>Lead content</b>	No data available
<b>VOC (Volatile organic compounds)</b>	No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

	Stable under normal conditions.
--	---------------------------------

### 10.2. Chemical stability

	Stable under normal conditions.
--	---------------------------------

### 10.3. Possibility of hazardous reactions

	Under the specified conditions, hazardous reactions that lead to excessive temperatures or
--	--

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## 10.3. Possibility of hazardous reactions

pressure are not expected.

## 10.4. Conditions to avoid

Keep away from extreme temperatures.

## 10.5. Incompatible materials

No data available.

## 10.6. Hazardous decomposition products

Carbon oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	Based on available data, the classification criteria are not met. However, this product does contain substance(s) that are classified as hazardous. For more information, see Section 3.
<b>Skin corrosion/irritation</b>	May cause irritation to skin.
<b>Serious eye damage/irritation</b>	May cause irritation to eyes.
<b>Respiratory or skin sensitisation</b>	May cause allergic reactions in susceptible people.
<b>Germ cell mutagenicity</b>	No mutagenic effects reported.
<b>Carcinogenicity</b>	No components at >0,01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values. No components at >0.01% are listed in the International Agency for Research on Cancer (IARC) Monographs. No components at >0,01% are listed in the National Toxicology Program (NTP) Report on Carcinogens. US State Regulations: New Jersey Right-to-Know Hazardous Substances List: This material contains no listed components.  Pennsylvania Right-to-Know Hazardous Substance List: This material contains no listed components.  Massachusetts Right-to-Know Toxic or Hazardous Substances List: This material contains no listed components.
<b>Reproductive toxicity</b>	No teratogenic effects reported.
<b>STOT-single exposure</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>STOT-repeated exposure</b>	No Significant Hazard.
<b>Aspiration hazard</b>	No Significant Hazard.
<b>Repeated or prolonged exposure</b>	Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.

### 11.1.2. Mixtures

See Section(s) 3 for further information.

### 11.1.3. Hazard Information

See Section(s) 2 and 3 for further information.

### 11.1.4. Toxicological Information

No data available

### 11.1.5. Hazard Class

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## 11.1.5. Hazard Class

See Section(s) 2 and 14 for further information.

## 11.1.6. Classification Criteria

Based on the Globally Harmonised System (GHS) considerations for the classification of mixtures. See Section 15 for regulatory citations.

## 11.1.7. Information on likely routes of exposure

Eye contact. Skin contact. Ingestion. Inhalation.

## 11.1.8. Symptoms related to the physical, chemical and toxicological characteristics

See Section(s) 4.2 for further information.

## 11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

See Section(s) 4.2 for further information.

## 11.1.10. Interactive effects

No data available.

## 11.1.11. Absence of specific data

<1% of this mixture consists of ingredients of unknown acute toxicity.

## 11.1.12. Mixture versus substance information

See Section(s) 3 for further information.

## 11.1.13. Other information

No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

### 12.2. Persistence and degradability

No data is available on this product.

### 12.3. Bioaccumulative potential

No data is available on this product.

### Partition coefficient

**Red Stop Solution** No data available

### 12.4. Mobility in soil

No data is available on this product.

### 12.5. Results of PBT and vPvB assessment

No data is available on this product.

### 12.6. Other adverse effects

Contains substance(s) which are hazardous to the environment. Specific test data for the mixture is not available.

### Further information

Keep out of lakes, ponds, or streams. Do not let product contaminate subsoil.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations. Follow label instructions.

### Disposal methods

Do not contaminate water by cleaning of equipment or disposal of wastes. Do not flush into surface water. Dispose of in compliance with all local and national regulations.

### Disposal of packaging

Nonrefillable container. Do not reuse or refill this container.  
If empty: Do not reuse this container. Place in trash or offer for recycling, if available.  
If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

## SECTION 14: Transport information

### 14.1. UN number

The product is not classified as dangerous for carriage.

### 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

### 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

### 14.4. Packing group

The product is not classified as dangerous for carriage.

### 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

### 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Regulations

According to DENR Administrative order N°2015-09 and GHS.

#### Chemical Inventories/Right-to-Know Lists:

--International--  
Basel Convention (Hazardous Waste): Not applicable.  
Chemical Weapons Convention (OPCW): This product contains no hazardous substances at or above published reporting levels.  
Kyoto Protocol Greenhouse Gases: This product contains no hazardous substances at or above published reporting levels.  
Mercosur Agreement: Applicable.  
Montreal Protocol: This product contains no hazardous substances at or above published reporting levels.  
The Rotterdam Convention: This product contains no hazardous substances at or above published reporting levels.  
The Stockholm Convention: This product contains no hazardous substances at or above published reporting levels.

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## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

--Asia and the ASEAN Nations--.

Catalog of Hazardous Chemicals (China): [754, Sodium fluoride, CAS No. 7681-49-4 (<0.5%)].

Regulation of Minister of Trade of the Republic of Indonesia, Number 75, Year 2014, regarding The Second Amendment of Minister of Trade, Number 44, Year 2009, Regarding Provision, Distribution, and Control of Hazardous Substances: This product contains no hazardous substances at or above published reporting levels.

Air Pollution Control Law (Japan): Hazardous substance / Priority chemicals, [Sodium fluoride (fluorine compounds), CAS No. 7681-49-4 (<0.5%)].

Chemical Substances Control Law (Japan): Class I environmental release, [Sodium fluoride (fluorine compounds), CAS No. 7681-49-4 (<0.5%)].

Industrial Safety and Health Act, Dangerous Substances (Japan): Labeling/Notification required, [Sodium fluoride (fluorine compounds), CAS No. 7681-49-4 (<0.5%)].

Poisonous and Deleterious Substances Act (Japan): This product contains no hazardous substances at or above published reporting levels.

Soil Contamination Countermeasures Act (Japan): Class 2, [Sodium fluoride (fluorine compounds), CAS No. 7681-49-4 (<0.5%)].

Water Pollution Control Law (Japan): Harmful substance, [Sodium fluoride (fluorine compounds), CAS No. 7681-49-4 (<0.5%)].

Chemical Substances Subject to Permission (Korea): This product contains no hazardous substances at or above published reporting levels.

Restricted or Prohibited Substances (Korea): This product contains no hazardous substances at or above published reporting levels.

Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): This product contains no hazardous substances at or above published reporting levels.

Philippine Inventory of Chemicals and Chemical Substances (PICCS): Toxic Substances and Hazardous and Nuclear Wastes Control Act (RA6969):, All ingredients listed or exempt., No restrictions.

Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): This product contains no hazardous substances at or above published reporting levels.

Hazardous Substances Act (Thailand): This product contains no hazardous substances at or above published reporting levels.

Law on Chemicals (Vietnam): Decree 113/2017/ND-CP: List of chemicals subject to conditional industrial production and trading, Decree 113/2017/ND-CP: List of chemicals subject to compulsory declaration, [Sodium fluoride, CAS No. 7681-49-4 (<0.5%)].

--Australia and New Zealand--.

Australian Dangerous Goods Code: Not applicable.

Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt., No restrictions.

New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt., No restrictions.

--European Union (EU) and the United Kingdom (UK)--.

Authorisation List (Annex XIV of REACH): This product contains no hazardous substances at or above published reporting levels.

Annex XVII for REACH: This product contains no hazardous substances at or above published reporting levels, No restrictions.

Article 95 of the Biocidal Products Regulation (BPR): Not applicable.

--North America--.

Domestic/Non-Domestic Substances Lists (DSL/NDSL): All ingredients listed or exempt., No restrictions.

Toxic Substances Control Act (TSCA): This product contains one or more components that are not

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## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

listed or exempt from listing on the inventory administered by the governing country, (<0.05%).  
 Massachusetts Right-to-Know Hazardous Substance List: This product contains no hazardous substances at or above published reporting levels.  
 New Jersey Worker and Community Right to Know Act: This product contains no hazardous substances at or above published reporting levels.  
 Pennsylvania Right to Know Law: This product contains no hazardous substances at or above published reporting levels.  
 Rhode Island Right-to-Know General Law: This product contains no hazardous substances at or above published reporting levels.  
 California Proposition 65: This product does not contain reportable substances at >0,0001% concentration.

## SECTION 16: Other information

### Other information

<b>Revision</b>	<p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> <li>1 - Product Use.</li> <li>2 - Other hazards.</li> <li>3 - Description.</li> <li>9 - 9.2. Other information (Conductivity).</li> <li>9 - 9.2. Other information (Gas group).</li> <li>9 - 9.2. Other information (Surface tension).</li> <li>9 - 9.2. Other information (Benzene Content).</li> <li>9 - 9.2. Other information (Lead content).</li> <li>11 - Acute toxicity.</li> <li>12 - 12.6. Other adverse effects.</li> <li>15 - Chemical Inventories/Right-to-Know Lists:.</li> </ul>
<b>Acronyms</b>	<p>ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR).          CAS No.: Chemical Abstracts Service.          CLASS: Classification, Labelling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia).          FIFRA: U.S. Federal Insecticide, Fungicide, and Rodenticide Act.          GHS: Globally Harmonized System.          HCS 2012: U.S. Hazard Communication Standard (2012 revision).          IATA: International Air Transport Association.          ICAO: International Civil Aviation Organisation.          IMDG: International Maritime Dangerous Goods.          LD: Lethal dose.          OEL: Occupational exposure limit.          OSHA: U.S. Occupational Safety and Health Administration.          PEL: Permissible Exposure Limit.          REACH: Registration, Evaluation, Authorisation, and Restriction of Chemicals.          STOT: Specific Target Organ Toxicity.          SVHC: Substance of very high concern.          US DOT: United States Department of Transportation.          VOC: Volatile Organic Compound.          WEL: Workplace Exposure Limit.</p>
<b>Text of Hazard Statements in Section 3</b>	<p>Acute Tox. 3: H301 - Toxic if swallowed.          Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.          Eye Irrit. 2: H319 - Causes serious eye irritation.          Aquatic Acute 3: H402 - Harmful to aquatic life.</p>



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## Further information

DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.

Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.



# SAFETY DATA SHEET

according to DENR Administrative order N°2015-09 and GHS

Page 1/10

## Wash Buffer Concentrate, 25X

Revision 1  
Revision date 2020-06-25

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	Wash Buffer Concentrate, 25X
Product code	24218, 24269

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC21] Laboratory chemicals;
Description	Intended for laboratory use only. Do not use components from one kit with any other kit.

#### 1.3. Details of the supplier of the safety data sheet

Company name	Neogen Corporation
Address	620 Leshler Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone number	517-372-9200/800-234-5333
Email	SDS@neogen.com

#### 1.4. Emergency telephone number

24 hours:  
Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)  
Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)

#### Further information

Manufactured For:	Neogen Corporation 944 Nandino Blvd. Lexington, KY 40511-1205 U.S.A.
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	No Significant Hazard.
-----------------------------	------------------------

#### 2.2. Label elements

Hazard Statement	No Significant Hazard
------------------	-----------------------

#### 2.3. Other hazards

Other hazards	Contains material(s) which may damage fertility or the unborn child. Contains substance(s) which are hazardous to the environment.
---------------	--

### SECTION 3: Composition/information on ingredients

# Wash Buffer Concentrate, 25X

Revision 1  
Revision date 2020-06-25

## Description

	No components need to be disclosed according to the applicable regulations. Concentrations listed are not product specifications.
--	---

## Further information

	Full text of Hazard Statements listed in this Section is provided in Section 16.
--	--

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.
Skin contact	Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	Do not induce vomiting unless told to do so by the poison control center or doctor. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

### 4.3. Indication of any immediate medical attention and special treatment needed

	Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical attention if irritation or symptoms persist. If medical advice is needed, have product container or label at hand.
--	--

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
--	---

### 5.2. Special hazards arising from the substance or mixture

	Contains substance(s) which are hazardous to the environment. Do not allow undiluted product to be released to ground water, water course or sewage system.
--	---

### 5.3. Advice for firefighters

	Do not breathe vapour or spray mist. Wear self-contained breathing apparatus and chemical-protective clothing.
--	--

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

	Use as appropriate: Protective equipment, Protective clothing. Ensure adequate ventilation of the working area. Avoid prolonged or repeated exposure.
--	---

### 6.2. Environmental precautions

	Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil.
--	---

### 6.3. Methods and material for containment and cleaning up

# Wash Buffer Concentrate, 25X

Revision 1  
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## 6.3. Methods and material for containment and cleaning up

Absorb spillage to prevent material damage. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

## 6.4. Reference to other sections

See Section(s) 2, 8, and 13 for further information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or disposal of wastes. Use as appropriate: Protective clothing.  
Read the entire label and follow all use directions, restrictions, and precautions.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep refrigerated. Store in correctly labelled containers. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal. Follow label instructions.

### 7.3. Specific end use(s)

See Section(s) 1.2 for further information.

### Further information

Refer to product label and/or package insert for additional information. Follow label instructions.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No occupational exposure limits known.

### 8.2. Exposure controls



#### 8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

#### 8.2.2. Individual protection measures

Use as appropriate: Protective equipment.

#### Eye / face protection

Use as appropriate: Suitable eye protection.

#### Skin protection - Handprotection

Use as appropriate: Chemical-resistant gloves made of any waterproof material. Wash the outside of gloves before removing them.

#### Skin protection - Other

Use as appropriate: Protective clothing. Wash contaminated clothing, separately from other laundry, with detergent and water before reuse.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

#### Occupational exposure controls

Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Protect clothing from contact with the product. Provide chemical shower. Provide eye wash station.

### Further information

Remove and wash contaminated clothing before reuse.

## Wash Buffer Concentrate, 25X

Revision 1  
Revision date 2020-06-25**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	Liquid
<b>Colour</b>	Clear/Colourless
<b>Odour</b>	Odourless/Slight
<b>Odour threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Initial boiling point</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Relative density</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	Not applicable.
<b>Oxidising properties</b>	No data available
<b>Solubility</b>	Soluble in water

**9.2. Other information**

<b>VOC (Volatile organic compounds)</b>	No data available
---	-------------------

**SECTION 10: Stability and reactivity****10.1. Reactivity**

	Stable under normal conditions.
--	---------------------------------

**10.2. Chemical stability**

	Stable under normal conditions.
--	---------------------------------

**10.3. Possibility of hazardous reactions**

	Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.
--	---

**10.4. Conditions to avoid**

	Keep away from extreme temperatures.
--	--------------------------------------

**10.5. Incompatible materials**

	No data available.
--	--------------------

**10.6. Hazardous decomposition products**

	Carbon oxides.
--	----------------

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

<b>Acute toxicity</b>	Based on available data, the classification criteria are not met.
-----------------------	---

# Wash Buffer Concentrate, 25X

Revision 1  
Revision date 2020-06-25

## 11.1. Information on toxicological effects

Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	May cause irritation to eyes.
Respiratory or skin sensitisation	May cause allergic reactions in susceptible people.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No components at >0,01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values. Listed by the International Agency for Research on Cancer (IARC) as a Group 2 substance: suspected of being a human carcinogen, [Thimerosal (mercury compounds), CAS No. 54-64-8 (<0.05%)]. No components at >0,01% are listed in the National Toxicology Program (NTP) Report on Carcinogens. US State Regulations: New Jersey Right-to-Know Hazardous Substances List: This material contains no listed components.  Pennsylvania Right-to-Know Hazardous Substance List: This material contains no listed components.  Massachusetts Right-to-Know Toxic or Hazardous Substances List: This material contains no listed components.
Reproductive toxicity	Contains material(s) which may damage fertility or the unborn child.
STOT-single exposure	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
STOT-repeated exposure	No Significant Hazard.
Aspiration hazard	No Significant Hazard.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.

### 11.1.2. Mixtures

	See Section(s) 3 for further information.
--	---

### 11.1.3. Hazard Information

	See Section(s) 2 and 3 for further information.
--	---

### 11.1.4. Toxicological Information

	No data available
--	-------------------

### 11.1.5. Hazard Class

	See Section(s) 2 and 14 for further information.
--	--

### 11.1.6. Classification Criteria

	Based on the Globally Harmonised System (GHS) considerations for the classification of mixtures. See Section 15 for regulatory citations.
--	--

### 11.1.7. Information on likely routes of exposure

	Eye contact. Skin contact. Ingestion. Inhalation.
--	---

### 11.1.8. Symptoms related to the physical, chemical and toxicological characteristics

	See Section(s) 4.2 for further information.
--	---

### 11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

	See Section(s) 4.2 for further information.
--	---

# Wash Buffer Concentrate, 25X

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## 11.1.10. Interactive effects

No data available.

## 11.1.11. Absence of specific data

<1% of this mixture consists of ingredients of unknown acute toxicity.

## 11.1.12. Mixture versus substance information

See Section(s) 3 for further information.

## 11.1.13. Other information

No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

### 12.2. Persistence and degradability

No data is available on this product.

### 12.3. Bioaccumulative potential

No data is available on this product.

### Partition coefficient

Wash Buffer Concentrate, 25X No data available

### 12.4. Mobility in soil

No data is available on this product.

### 12.5. Results of PBT and vPvB assessment

No data is available on this product.

### 12.6. Other adverse effects

Contains substance(s) which are hazardous to the environment. Specific test data for the mixture is not available.

### Further information

Keep out of lakes, ponds, or streams. Do not let product contaminate subsoil.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations. Follow label instructions.

### Disposal methods

Do not contaminate water by cleaning of equipment or disposal of wastes. Do not flush into surface water. Dispose of in compliance with all local and national regulations.

### Disposal of packaging

Nonrefillable container. Do not reuse or refill this container.  
If empty: Do not reuse this container. Place in trash or offer for recycling, if available.  
If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

## SECTION 14: Transport information

## Wash Buffer Concentrate, 25X

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## 14.1. UN number

The product is not classified as dangerous for carriage.

## 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

## 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

**SECTION 15: Regulatory information**

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>Regulations</b>	According to DENR Administrative order N°2015-09 and GHS.
<b>Chemical Inventories/Right-to-Know Lists:</b>	<p>--International--</p> <p>Basel Convention (Hazardous Waste): Not applicable.</p> <p>Chemical Weapons Convention (OPCW): This product contains no hazardous substances at or above published reporting levels.</p> <p>Kyoto Protocol Greenhouse Gases: This product contains no hazardous substances at or above published reporting levels.</p> <p>Mercosur Agreement: Applicable.</p> <p>Montreal Protocol: This product contains no hazardous substances at or above published reporting levels.</p> <p>The Rotterdam Convention: Annex III, (pesticide), [Thimerosal (mercury compounds), CAS No. 54-64-8 (&lt;0.05%)].</p> <p>The Stockholm Convention: This product contains no hazardous substances at or above published reporting levels.</p> <p>--Asia and the ASEAN Nations--</p> <p>Catalog of Hazardous Chemicals (China): [2581, Thimerosal (mercury compounds), CAS No. 54-64-8 (&lt;0.05%)].</p> <p>Regulation of Minister of Trade of the Republic of Indonesia, Number 75, Year 2014, regarding The Second Amendment of Minister of Trade, Number 44, Year 2009, Regarding Provision, Distribution, and Control of Hazardous Substances: This product contains no hazardous substances at or above published reporting levels.</p> <p>Air Pollution Control Law (Japan): Hazardous substance / Priority chemicals, [Thimerosal (mercury compounds), CAS No. 54-64-8 (&lt;0.05%)].</p> <p>Chemical Substances Control Law (Japan): Class I environmental release, [Thimerosal (mercury compounds), CAS No. 54-64-8 (&lt;0.05%)].</p> <p>Industrial Safety and Health Act, Dangerous Substances (Japan): This product contains no hazardous substances at or above published reporting levels.</p> <p>Poisonous and Deleterious Substances Act (Japan): Poisonous, [Thimerosal (mercury compounds), CAS No. 54-64-8 (&lt;0.05%)].</p> <p>Soil Contamination Countermeasures Act (Japan): Class 2, [Thimerosal (mercury compounds),</p>



# Wash Buffer Concentrate, 25X

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## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

CAS No. 54-64-8 (<0.05%).  
Water Pollution Control Law (Japan): Harmful substance, [Thimerosal (mercury compounds), CAS No. 54-64-8 (<0.05%)].  
Chemical Substances Subject to Permission (Korea): This product contains no hazardous substances at or above published reporting levels.  
Restricted or Prohibited Substances (Korea): This product contains no hazardous substances at or above published reporting levels.  
Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): This product contains no hazardous substances at or above published reporting levels.  
Philippine Inventory of Chemicals and Chemical Substances (PICCS): Toxic Substances and Hazardous and Nuclear Wastes Control Act (RA6969):, Toxic substance, [Thimerosal (mercury compounds), CAS No. 54-64-8 (<0.05%)].  
Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): This product contains no hazardous substances at or above published reporting levels.  
Hazardous Substances Act (Thailand): This product contains no hazardous substances at or above published reporting levels.  
Law on Chemicals (Vietnam): This product contains no hazardous substances at or above published reporting levels.

--Australia and New Zealand--.  
Australian Dangerous Goods Code: Not applicable.  
Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt., No restrictions.  
New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt., No restrictions.

--European Union (EU) and the United Kingdom (UK)--.  
Authorisation List (Annex XIV of REACH): This product contains no hazardous substances at or above published reporting levels.  
Annex XVII for REACH: This product contains no hazardous substances at or above published reporting levels.  
Article 95 of the Biocidal Products Regulation (BPR): Not applicable.

--North America--.  
Domestic/Non-Domestic Substances Lists (DSL/NDSL): All ingredients listed or exempt., No restrictions.  
Toxic Substances Control Act (TSCA): All ingredients listed or exempt.  
Massachusetts Right-to-Know Hazardous Substance List: Sodium phosphate dibasic.  
New Jersey Worker and Community Right to Know Act: Sodium phosphate dibasic.  
Pennsylvania Right to Know Law: Phosphoric acid, disodium salt.  
Rhode Island Right-to-Know General Law: This product contains no hazardous substances at or above published reporting levels.

**\*\*California residents please note\*\***.  
WARNING: This product can expose you to chemicals, including Thimerosal (mercury compounds), CAS No. 54-64-8 (<0.05%), which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## SECTION 16: Other information

### Other information

#### Revision

This document differs from the previous version in the following areas:  
1 - Product Use.

## Wash Buffer Concentrate, 25X

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## Other information

1 - Manufactured For:.  
 1 - Manufactured By:.  
 2 - 2.1.2. Classification - GHS.  
 2 - Hazard pictograms.  
 2 - Signal Word.  
 2 - Precautionary Statement: Prevention.  
 2 - Precautionary Statement: Response.  
 2 - Precautionary Statement: Disposal.  
 5 - 5.3. Advice for firefighters.  
 7 - 7.2. Conditions for safe storage, including any incompatibilities.  
 8 - Skin protection - Handprotection.  
 8 - Skin protection - Other.  
 9 - 9.1. Information on basic physical and chemical properties (Colour).  
 9 - 9.1. Information on basic physical and chemical properties (Odour).  
 9 - 9.1. Information on basic physical and chemical properties (Melting point).  
 9 - 9.1. Information on basic physical and chemical properties (Explosive properties).  
 9 - 9.1. Information on basic physical and chemical properties (Fat Solubility).  
 9 - 9.2. Other information (Conductivity).  
 9 - 9.2. Other information (Gas group).  
 9 - 9.2. Other information (Surface tension).  
 9 - 9.2. Other information (Benzene Content).  
 9 - 9.2. Other information (Product Subcategory).  
 9 - 9.2. Other information (Lead content).  
 15 - Chemical Inventories/Right-to-Know Lists:.  
 16 - Maximum content of VOC.

## Acronyms

ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR).  
 CAS No.: Chemical Abstracts Service.  
 CLASS: Classification, Labelling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia).  
 FIFRA: U.S. Federal Insecticide, Fungicide, and Rodenticide Act.  
 GHS: Globally Harmonized System.  
 HCS 2012: U.S. Hazard Communication Standard (2012 revision).  
 IATA: International Air Transport Association.  
 ICAO: International Civil Aviation Organisation.  
 IMDG: International Maritime Dangerous Goods.  
 LD: Lethal dose.  
 OEL: Occupational exposure limit.  
 OSHA: U.S. Occupational Safety and Health Administration.  
 PEL: Permissible Exposure Limit.  
 REACH: Registration, Evaluation, Authorisation, and Restriction of Chemicals.  
 SVHC: Substance of very high concern.  
 US DOT: United States Department of Transportation.  
 VOC: Volatile Organic Compound.  
 WEL: Workplace Exposure Limit.

## Further information

DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.

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## Further information

Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.



# SAFETY DATA SHEET

according to DENR Administrative order N°2015-09 and GHS

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## Extraction Additive

Revision 1  
Revision date 2020-04-23

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	Extraction Additive
Product code	22094

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC21] Laboratory chemicals;
Description	Intended for laboratory use only. Do not use components from one kit with any other kit.

#### 1.3. Details of the supplier of the safety data sheet

Company name	Neogen Corporation
Address	620 Leshar Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone number	517-372-9200/800-234-5333
Email	SDS@neogen.com

#### 1.4. Emergency telephone number

24 hours:  
Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)  
Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)

### SECTION 2: Hazards identification

#### 2.2. Label elements

Hazard Statement	No Significant Hazard
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#### 2.3. Other hazards

Other hazards	None known.
---------------	-------------

### SECTION 3: Composition/information on ingredients

#### Description

No components need to be disclosed according to the applicable regulations.  
Concentrations listed are not product specifications.

#### Further information

Full text of Hazard Statements listed in this Section is provided in Section 16.

### SECTION 4: First aid measures

# Extraction Additive

Revision 1  
Revision date 2020-04-23

## 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.
Skin contact	Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	Do not induce vomiting unless told to do so by the poison control center or doctor. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

## 4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

## 4.3. Indication of any immediate medical attention and special treatment needed

	Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical attention if irritation or symptoms persist. If medical advice is needed, have product container or label at hand.
--	--

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
--	---

### 5.2. Special hazards arising from the substance or mixture

	Avoid formation of dust. Do not allow undiluted product to be released to ground water, water course or sewage system.
--	--

### 5.3. Advice for firefighters

	Do not breathe dust or vapour. Wear suitable respiratory equipment when necessary.
--	--

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

	Avoid formation of dust. Use as appropriate: Protective equipment, Protective clothing. Ensure adequate ventilation of the working area. Avoid prolonged or repeated exposure.
--	--

### 6.2. Environmental precautions

	Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil.
--	---

### 6.3. Methods and material for containment and cleaning up

	Avoid formation of dust. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes.
--	--

### 6.4. Reference to other sections

	See Section(s) 2, 8, and 13 for further information.
--	--

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact
--	---

# Extraction Additive

Revision 1  
Revision date 2020-04-23

## 7.1. Precautions for safe handling

	with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or disposal of wastes. Use as appropriate: Protective clothing. Read the entire label and follow all use directions, restrictions, and precautions.
--	--

## 7.2. Conditions for safe storage, including any incompatibilities

	Store in correctly labelled containers. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal. Follow label instructions.
--	---

## 7.3. Specific end use(s)


	See Section(s) 1.2 for further information.
--	---

## Further information

	Refer to product label and/or package insert for additional information.
--	--

## SECTION 8: Exposure controls/personal protection

### 8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Use as appropriate: Protective equipment.
Eye / face protection	Use as appropriate: Suitable eye protection.
Skin protection - Handprotection	Use as appropriate: Chemical-resistant gloves made of any waterproof material.
Skin protection - Other	Use as appropriate: Protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Occupational exposure controls	Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Protect clothing from contact with the product. Provide chemical shower. Provide eye wash station.

## Further information

	Refer to product label for additional PPE requirements and recommendations. Follow label instructions.
--	--

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

## Extraction Additive

Revision 1  
Revision date 2020-04-23

## 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Powder
<b>Colour</b>	Off white/Beige
<b>Odour</b>	Mild
<b>Odour threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Initial boiling point</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Relative density</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	Not applicable.
<b>Explosive properties</b>	Not applicable.
<b>Oxidising properties</b>	No data available
<b>Solubility</b>	Soluble in water

## 9.2. Other information

<b>VOC (Volatile organic compounds)</b>	Not applicable.
---	-----------------

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	Stable under normal conditions.
--	---------------------------------

## 10.2. Chemical stability

	Stable under normal conditions.
--	---------------------------------

## 10.3. Possibility of hazardous reactions

	Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.
--	---

## 10.4. Conditions to avoid

	Keep away from extreme temperatures, Moisture.
--	--

## 10.5. Incompatible materials

	No data available.
--	--------------------

## 10.6. Hazardous decomposition products

	Carbon oxides.
--	----------------

## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

<b>Acute toxicity</b>	Based on available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	May cause irritation to skin.

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## 11.1. Information on toxicological effects

<b>Serious eye damage/irritation</b>	May cause irritation to eyes.
<b>Respiratory or skin sensitisation</b>	May cause allergic reactions in susceptible people.
<b>Germ cell mutagenicity</b>	No mutagenic effects reported.
<b>Carcinogenicity</b>	No components at >0,01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values. No components at >0.01% are listed in the International Agency for Research on Cancer (IARC) Monographs. No components at >0,01% are listed in the National Toxicology Program (NTP) Report on Carcinogens. US State Regulations: New Jersey Right-to-Know Hazardous Substances List: This material contains no listed components.  Pennsylvania Right-to-Know Hazardous Substance List: This material contains no listed components.  Massachusetts Right-to-Know Toxic or Hazardous Substances List: This material contains no listed components.
<b>Reproductive toxicity</b>	No teratogenic effects reported.
<b>STOT-single exposure</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>STOT-repeated exposure</b>	No Significant Hazard.
<b>Aspiration hazard</b>	No Significant Hazard.
<b>Repeated or prolonged exposure</b>	Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.

### 11.1.2. Mixtures

	See Section(s) 3 for further information.
--	---

### 11.1.3. Hazard Information

	See Section(s) 2 and 3 for further information.
--	---

### 11.1.4. Toxicological Information

	No data available
--	-------------------

### 11.1.5. Hazard Class

	See Section(s) 2 and 14 for further information.
--	--

### 11.1.6. Classification Criteria

	Based on the Globally Harmonised System (GHS) considerations for the classification of mixtures. See Section 15 for regulatory citations.
--	--

### 11.1.7. Information on likely routes of exposure

	Eye contact. Skin contact. Inhalation. Ingestion.
--	---

### 11.1.8. Symptoms related to the physical, chemical and toxicological characteristics

	See Section(s) 4.2 for further information.
--	---

### 11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

	See Section(s) 4.2 for further information.
--	---

### 11.1.10. Interactive effects

	No data available.
--	--------------------



# Extraction Additive

Revision 1  
Revision date 2020-04-23

## 11.1.11. Absence of specific data

<1% of this mixture consists of ingredients of unknown acute toxicity.

## 11.1.12. Mixture versus substance information

See Section(s) 3 for further information.

## 11.1.13. Other information

No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

### 12.2. Persistence and degradability

No data is available on this product.

### 12.3. Bioaccumulative potential

No data is available on this product.

### Partition coefficient

**Extraction Additive** No data available

### 12.4. Mobility in soil

No data is available on this product.

### 12.5. Results of PBT and vPvB assessment

No data is available on this product.

### 12.6. Other adverse effects

Specific test data for the substance or mixture is not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations. Follow label instructions.

### Disposal methods

Do not contaminate water by cleaning of equipment or disposal of wastes. Do not flush into surface water. Dispose of in compliance with all local and national regulations.

### Disposal of packaging

Nonrefillable container. Do not reuse or refill this container.  
If empty: Do not reuse this container. Place in trash or offer for recycling, if available.  
If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

### Further information

Refer to product label and/or package insert for additional information. Follow label instructions.

## SECTION 14: Transport information

### 14.1. UN number

The product is not classified as dangerous for carriage.

# Extraction Additive

Revision 1  
Revision date 2020-04-23

## 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

## 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>Regulations</b>	According to DENR Administrative order N°2015-09 and GHS.
<b>Chemical Inventories/Right-to-Know Lists:</b>	<p>--International--.</p> <p>Basel Convention (Hazardous Waste): Not applicable.</p> <p>Chemical Weapons Convention (OPCW): This product does not contain reportable substances at &gt;0,0001% concentration.</p> <p>Kyoto Protocol Greenhouse Gases: This product does not contain reportable substances at &gt;0,0001% concentration.</p> <p>Mercosur Agreement: Applicable.</p> <p>Montreal Protocol: This product does not contain reportable substances at &gt;0,0001% concentration.</p> <p>The Rotterdam Convention: This product does not contain reportable substances at &gt;0,0001% concentration.</p> <p>The Stockholm Convention: This product does not contain reportable substances at &gt;0,0001% concentration.</p> <p>--Asia and the ASEAN Nations--.</p> <p>Catalog of Hazardous Chemicals (China): This product does not contain reportable substances at &gt;0,0001% concentration.</p> <p>Regulation of Minister of Trade of the Republic of Indonesia, Number 75, Year 2014, regarding The Second Amendment of Minister of Trade, Number 44, Year 2009, Regarding Provision, Distribution, and Control of Hazardous Substances: This product does not contain reportable substances at &gt;0,0001% concentration.</p> <p>Air Pollution Control Law (Japan): This product does not contain reportable substances at &gt;0,0001% concentration.</p> <p>Chemical Substances Control Law (Japan): This product does not contain reportable substances at &gt;0,0001% concentration.</p> <p>Industrial Safety and Health Act, Dangerous Substances (Japan): This material contains no reportable components.</p> <p>Poisonous and Deleterious Substances Act (Japan): This product does not contain reportable substances at &gt;0,0001% concentration.</p> <p>Soil Contamination Countermeasures Act (Japan): This product does not contain reportable substances at &gt;0,0001% concentration.</p> <p>Water Pollution Control Law (Japan): This product does not contain reportable substances at &gt;0,0001% concentration.</p>

# Extraction Additive

Revision 1  
Revision date 2020-04-23

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemical Substances Subject to Permission (Korea): This product does not contain reportable substances at >0,0001% concentration.

Restricted or Prohibited Substances (Korea): This product does not contain reportable substances at >0,0001% concentration.

Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): This product does not contain reportable substances at >0,0001% concentration.

Philippine Inventory of Chemicals and Chemical Substances (PICCS): All ingredients listed or exempt.

Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): This product does not contain reportable substances at >0,0001% concentration.

Hazardous Substances Act (Thailand): This product does not contain reportable substances at >0,0001% concentration.

Law on Chemicals (Vietnam): This product does not contain reportable substances at >0,0001% concentration.

--Australia and New Zealand--.

Australian Dangerous Goods Code: Not applicable.

Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt.

New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt.

--European Union (EU) and the United Kingdom (UK)--.

Authorisation List (Annex XIV of REACH): This product does not contain reportable substances at >0,0001% concentration.

Annex XVII for REACH: This product does not contain reportable substances at >0,0001% concentration.

Article 95 of the Biocidal Products Regulation (BPR): Not applicable.

--North America--.

Domestic/Non-Domestic Substances Lists (DSL/NDSL): All ingredients listed or exempt.

Toxic Substances Control Act (TSCA): All ingredients listed or exempt.

Massachusetts Right-to-Know Hazardous Substance List: This product does not contain reportable substances at >0,0001% concentration.

New Jersey Worker and Community Right to Know Act: This product does not contain reportable substances at >0,0001% concentration.

Pennsylvania Right to Know Law: This product does not contain reportable substances at >0,0001% concentration.

Rhode Island Right-to-Know General Law: This product does not contain reportable substances at >0,0001% concentration.

California Proposition 65: This product does not contain reportable substances at >0,0001% concentration.

## SECTION 16: Other information

### Other information

<b>Revision</b>	<p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> <li>1 - Description.</li> <li>1 - Manufactured By:.</li> <li>9 - 9.1. Information on basic physical and chemical properties (Explosive properties).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Viscosity).</li> <li>11 - 11.1.4. Toxicological Information.</li> <li>15 - Chemical Inventories/Right-to-Know Lists:.</li> </ul>
<b>Acronyms</b>	<p>ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by</p>

# Extraction Additive

Revision 1  
Revision date 2020-04-23

## Other information

Rail (RID) and by Road (ADR).  
CAS No.: Chemical Abstracts Service.  
CLASS: Classification, Labelling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia).  
FIFRA: U.S. Federal Insecticide, Fungicide, and Rodenticide Act.  
GHS: Globally Harmonized System.  
HCS 2012: U.S. Hazard Communication Standard (2012 revision).  
IATA: International Air Transport Association.  
ICAO: International Civil Aviation Organisation.  
IMDG: International Maritime Dangerous Goods.  
LD: Lethal dose.  
OEL: Occupational exposure limit.  
OSHA: U.S. Occupational Safety and Health Administration.  
PEL: Permissible Exposure Limit.  
REACH: Registration, Evaluation, Authorisation, and Restriction of Chemicals.  
SVHC: Substance of very high concern.  
US DOT: United States Department of Transportation.  
VOC: Volatile Organic Compound.  
WEL: Workplace Exposure Limit.

## Further information

DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.

Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.



# SAFETY DATA SHEET

according to DENR Administrative order N°2015-09 and GHS

Page 1/9

## Phosphate Buffered Saline, Foil Pouch

Revision 3  
Revision date 2020-05-14

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	Phosphate Buffered Saline, Foil Pouch
Product code	0114

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC21] Laboratory chemicals;
Description	Intended for laboratory use only.

#### 1.3. Details of the supplier of the safety data sheet

Company name	Neogen Corporation
Address	620 Leshar Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone number	517-372-9200/800-234-5333
Email	SDS@neogen.com

#### 1.4. Emergency telephone number

24 hours:  
Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)  
Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)

### SECTION 2: Hazards identification

#### 2.2. Label elements

Hazard Statement	No Significant Hazard
------------------	-----------------------

#### 2.3. Other hazards

Other hazards	Contains material(s) which may be harmful if swallowed. Dust may be irritating if inhaled.
---------------	--

### SECTION 3: Composition/information on ingredients

#### Description

No components need to be disclosed according to the applicable regulations.  
Concentrations listed are not product specifications.

#### Further information

Full text of Hazard Statements listed in this Section is provided in Section 16.

### SECTION 4: First aid measures

# Phosphate Buffered Saline, Foil Pouch

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## 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.
Skin contact	Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	Do not induce vomiting unless told to do so by the poison control center or doctor. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

## 4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

## 4.3. Indication of any immediate medical attention and special treatment needed

	Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical attention if irritation or symptoms persist. If medical advice is needed, have product container or label at hand.
--	--

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
--	---

### 5.2. Special hazards arising from the substance or mixture

	Avoid formation of dust. Do not allow undiluted product to be released to ground water, water course or sewage system.
--	--

### 5.3. Advice for firefighters

	Do not breathe dust or vapour. Wear suitable respiratory equipment when necessary.
--	--

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

	Avoid formation of dust. Use as appropriate: Protective equipment, Protective clothing. Ensure adequate ventilation of the working area. Avoid prolonged or repeated exposure.
--	--

### 6.2. Environmental precautions

	Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil.
--	---

### 6.3. Methods and material for containment and cleaning up

	Avoid formation of dust. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes.
--	--

### 6.4. Reference to other sections

	See Section(s) 2, 8, and 13 for further information.
--	--

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact
--	---

# Phosphate Buffered Saline, Foil Pouch

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## 7.1. Precautions for safe handling

	with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or disposal of wastes. Use as appropriate: Protective clothing. Read the entire label and follow all use directions, restrictions, and precautions.
--	--

## 7.2. Conditions for safe storage, including any incompatibilities

	Store in correctly labelled containers. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal. Follow label instructions.
--	---

## 7.3. Specific end use(s)

	See Section(s) 1.2 for further information.
--	---

## Further information


	Refer to product label and/or package insert for additional information.
--	--

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

	No occupational exposure limits known.
--	--

### 8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Use as appropriate: Protective equipment.
Eye / face protection	Use as appropriate: Suitable eye protection.
Skin protection - Handprotection	Use as appropriate: Chemical-resistant gloves made of any waterproof material.
Skin protection - Other	Use as appropriate: Protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Occupational exposure controls	Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Protect clothing from contact with the product. Provide chemical shower. Provide eye wash station.

## Further information

	Refer to product label for additional PPE requirements and recommendations. Follow label instructions.
--	--

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

## Phosphate Buffered Saline, Foil Pouch

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## 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Powder
<b>Colour</b>	White
<b>Odour</b>	Odourless/Slight
<b>Odour threshold</b>	No data available
<b>pH</b>	7.4
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Initial boiling point</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Relative density</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	Not applicable.
<b>Explosive properties</b>	Not applicable.
<b>Oxidising properties</b>	No data available
<b>Solubility</b>	Soluble in water

## 9.2. Other information

<b>VOC (Volatile organic compounds)</b>	No data available
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## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	Stable under normal conditions.
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## 10.2. Chemical stability

	Stable under normal conditions.
--	---------------------------------

## 10.3. Possibility of hazardous reactions

	Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.
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## 10.4. Conditions to avoid

	Keep away from extreme temperatures, Moisture.
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## 10.5. Incompatible materials

	No data available.
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## 10.6. Hazardous decomposition products

	Carbon oxides.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

<b>Acute toxicity</b>	Based on available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	May cause irritation to skin.



# Phosphate Buffered Saline, Foil Pouch

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## 11.1. Information on toxicological effects

<b>Serious eye damage/irritation</b>	May cause irritation to eyes.
<b>Respiratory or skin sensitisation</b>	May cause allergic reactions in susceptible people.
<b>Germ cell mutagenicity</b>	No mutagenic effects reported.
<b>Carcinogenicity</b>	No components at >0,01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values. No components at >0.01% are listed in the International Agency for Research on Cancer (IARC) Monographs. No components at >0,01% are listed in the National Toxicology Program (NTP) Report on Carcinogens. US State Regulations: New Jersey Right-to-Know Hazardous Substances List: This material contains no listed components.  Pennsylvania Right-to-Know Hazardous Substance List: This material contains no listed components.  Massachusetts Right-to-Know Toxic or Hazardous Substances List: This material contains no listed components.
<b>Reproductive toxicity</b>	No teratogenic effects reported.
<b>STOT-single exposure</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>STOT-repeated exposure</b>	No Significant Hazard.
<b>Aspiration hazard</b>	No Significant Hazard.
<b>Repeated or prolonged exposure</b>	Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.

### 11.1.2. Mixtures

	See Section(s) 3 for further information.
--	---

### 11.1.3. Hazard Information

	See Section(s) 2 and 3 for further information.
--	---

### 11.1.4. Toxicological Information

	No data available
--	-------------------

### 11.1.5. Hazard Class

	See Section(s) 2 and 14 for further information.
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### 11.1.6. Classification Criteria

	Based on the Globally Harmonised System (GHS) considerations for the classification of mixtures. See Section 15 for regulatory citations.
--	--

### 11.1.7. Information on likely routes of exposure

	Eye contact. Skin contact. Inhalation. Ingestion.
--	---

### 11.1.8. Symptoms related to the physical, chemical and toxicological characteristics

	See Section(s) 4.2 for further information.
--	---

### 11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

	See Section(s) 4.2 for further information.
--	---

### 11.1.10. Interactive effects

	No data available.
--	--------------------

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## 11.1.11. Absence of specific data

<1% of this mixture consists of ingredients of unknown acute toxicity.

## 11.1.12. Mixture versus substance information

See Section(s) 3 for further information.

## 11.1.13. Other information

No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

### 12.2. Persistence and degradability

No data is available on this product.

### 12.3. Bioaccumulative potential

No data is available on this product.

### Partition coefficient

Phosphate Buffered Saline, Foil Pouch No data available

### 12.4. Mobility in soil

No data is available on this product.

### 12.5. Results of PBT and vPvB assessment

No data is available on this product.

### 12.6. Other adverse effects

Specific test data for the substance or mixture is not available.

### Further information

Keep out of lakes, ponds, or streams.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations. Follow label instructions.

### Disposal methods

Do not contaminate water by cleaning of equipment or disposal of wastes. Do not flush into surface water. Dispose of in compliance with all local and national regulations.

### Disposal of packaging

Nonrefillable container. Do not reuse or refill this container.  
If empty: Do not reuse this container. Place in trash or offer for recycling, if available.  
If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

### Further information

Refer to product label and/or package insert for additional information. Follow label instructions.

## SECTION 14: Transport information

# Phosphate Buffered Saline, Foil Pouch

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## 14.1. UN number

The product is not classified as dangerous for carriage.

## 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

## 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>Regulations Chemical Inventories/Right-to-Know Lists:</b>	<p>According to DENR Administrative order N°2015-09 and GHS.</p> <p>--International--.</p> <p>Basel Convention (Hazardous Waste): Not applicable.</p> <p>Chemical Weapons Convention (OPCW): This product contains no hazardous substances at or above published reporting levels.</p> <p>Kyoto Protocol Greenhouse Gases: This product contains no hazardous substances at or above published reporting levels.</p> <p>Mercosur Agreement: Applicable.</p> <p>Montreal Protocol: This product contains no hazardous substances at or above published reporting levels.</p> <p>The Rotterdam Convention: This product contains no hazardous substances at or above published reporting levels.</p> <p>The Stockholm Convention: This product contains no hazardous substances at or above published reporting levels.</p> <p>--Asia and the ASEAN Nations--.</p> <p>Catalog of Hazardous Chemicals (China): This product contains no hazardous substances at or above published reporting levels.</p> <p>Regulation of Minister of Trade of the Republic of Indonesia, Number 75, Year 2014, regarding The Second Amendment of Minister of Trade, Number 44, Year 2009, Regarding Provision, Distribution, and Control of Hazardous Substances: This product contains no hazardous substances at or above published reporting levels.</p> <p>Air Pollution Control Law (Japan): This product contains no hazardous substances at or above published reporting levels.</p> <p>Chemical Substances Control Law (Japan): This product contains no hazardous substances at or above published reporting levels.</p> <p>Industrial Safety and Health Act, Dangerous Substances (Japan): This product contains no hazardous substances at or above published reporting levels.</p> <p>Poisonous and Deleterious Substances Act (Japan): This product contains no hazardous substances at or above published reporting levels.</p> <p>Soil Contamination Countermeasures Act (Japan): This product contains no hazardous substances</p>
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## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

at or above published reporting levels.

Water Pollution Control Law (Japan): This product contains no hazardous substances at or above published reporting levels.

Chemical Substances Subject to Permission (Korea): This product contains no hazardous substances at or above published reporting levels.

Restricted or Prohibited Substances (Korea): This product contains no hazardous substances at or above published reporting levels.

Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): This product contains no hazardous substances at or above published reporting levels.

Philippine Inventory of Chemicals and Chemical Substances (PICCS): Toxic Substances and Hazardous and Nuclear Wastes Control Act (RA6969):, All ingredients listed or exempt., No restrictions.

Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): This product contains no hazardous substances at or above published reporting levels.

Hazardous Substances Act (Thailand): This product contains no hazardous substances at or above published reporting levels.

Law on Chemicals (Vietnam): This product contains no hazardous substances at or above published reporting levels.

--Australia and New Zealand--.

Australian Dangerous Goods Code: Not applicable.

Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt., No restrictions.

New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt., No restrictions.

--European Union (EU) and the United Kingdom (UK)--.

Authorisation List (Annex XIV of REACH): This material contains no reportable components.

Annex XVII for REACH: This product contains no hazardous substances at or above published reporting levels, No restrictions.

Article 95 of the Biocidal Products Regulation (BPR): Not applicable.

--North America--.

Domestic/Non-Domestic Substances Lists (DSL/NDSL): All ingredients listed or exempt., No restrictions.

Toxic Substances Control Act (TSCA): All ingredients listed or exempt.

Massachusetts Right-to-Know Hazardous Substance List: Sodium phosphate dibasic.

New Jersey Worker and Community Right to Know Act: Sodium phosphate dibasic.

Pennsylvania Right to Know Law: Phosphoric acid, disodium salt.

Rhode Island Right-to-Know General Law: This product contains no hazardous substances at or above published reporting levels.

California Proposition 65: This product does not contain reportable substances at >0,0001% concentration.

## SECTION 16: Other information

### Other information

#### Revision

This document differs from the previous version in the following areas:.

- 1 - Description.
- 1 - Product Use.
- 1 - Manufactured By:.
- 2 - Other hazards.

# Phosphate Buffered Saline, Foil Pouch

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## Other information

<b>Acronyms</b>	<p>8 - 8.1. Control parameters. 15 - Chemical Inventories/Right-to-Know Lists:</p> <hr/> <p>ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR). CAS No.: Chemical Abstracts Service. CLASS: Classification, Labelling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia). FIFRA: U.S. Federal Insecticide, Fungicide, and Rodenticide Act. GHS: Globally Harmonized System. HCS 2012: U.S. Hazard Communication Standard (2012 revision). IATA: International Air Transport Association. ICAO: International Civil Aviation Organisation. IMDG: International Maritime Dangerous Goods. LD: Lethal dose. OEL: Occupational exposure limit. OSHA: U.S. Occupational Safety and Health Administration. PEL: Permissible Exposure Limit. REACH: Registration, Evaluation, Authorisation, and Restriction of Chemicals. SVHC: Substance of very high concern. US DOT: United States Department of Transportation. VOC: Volatile Organic Compound. WEL: Workplace Exposure Limit.</p>
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## Further information

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