



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). If a component does not have a Safety Data Sheet included, the item is an article which does not contain any substances of very high concern included on the Candidate List for inclusion in Annex XIV of the Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH), Article 33, and does not require a Safety Data Sheet.

Kit Components:

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 Regulation (EU) 2015/830

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## Wash Buffer, 10X

Revision 3  
Revision date 2020-05-29

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

#### 1.1. Product identifier

Product name	Wash Buffer, 10X
Product code	25001, 25112, 301177

#### 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	Neogen Corporation
Address	620 Leshler Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	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 - EC 1272/2008	No Significant Hazard.
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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

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## Description

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

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

	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 suitable respiratory equipment when necessary.
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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.

## 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



#### 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

Remove and wash contaminated clothing before reuse.

## 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/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>	Not applicable.
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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.
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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

	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

<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

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. Not listed in the OSHA standard 1910.1003 Carcinogens.
Reproductive toxicity	No teratogenic effects reported.
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.
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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

	See Section(s) 4.2 for further information.
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## 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.
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## 11.1.12. Mixture versus substance information

	See Section(s) 3 for further information.
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## 11.1.13. Other information

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## 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, 10X 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.

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## 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>	1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
<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: 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 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>



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

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.

## 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.
- 2 - 2.1.2. Classification - EC 1272/2008.
- 8 - 8.1. Control parameters.
- 9 - 9.2. Other information (Product Subcategory).

## Wash Buffer, 10X

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## Other information

Acronyms	<p>15 - Chemical Inventories/Right-to-Know Lists: 16 - Maximum content of VOC.</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

	<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 Regulation (EU) 2015/830

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## K-Blue® Advanced TMB Substrate

Revision 5  
Revision date 2020-04-28

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

#### 1.1. Product identifier

Product name	K-Blue® Advanced TMB Substrate
Product code	319171, 319175, 319176, 319177, 319210, 319257,
Product code	319170-W, 319174-W, 319210-L, 319xxx.

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

Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC21] Laboratory chemicals;
Description	Intended for laboratory use only.

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

Company	Neogen Corporation
Address	620 Leshar Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	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

#### 2.2. Label elements

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

Other hazards	Contains oxidising substance(s) at <0.5%.
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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

## K-Blue® Advanced TMB Substrate

Revision 5  
Revision date 2020-04-28

## 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-<6%	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

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

## 5.3. Advice for firefighters

Do not breathe vapour or spray mist. Wear suitable respiratory equipment when necessary.

## SECTION 6: Accidental release measures

# K-Blue® Advanced 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.
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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

### 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. Read the entire label and follow all use directions, restrictions, and precautions. Use as appropriate: Protective clothing.
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### 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.
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### 7.3. Specific end use(s)

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

## SECTION 9: Physical and chemical properties

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

## K-Blue® Advanced TMB Substrate

Revision 5  
Revision date 2020-04-28

## 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Clear/Light blue
<b>Odour</b>	Characteristic
<b>Odour threshold</b>	No data available
<b>pH</b>	3.1 - 3.5
<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
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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.
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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

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

	Avoid contact with: Combustible materials.
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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. However, this product does contain substance(s) that are classified as hazardous. For more information, see Section 3.
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## K-Blue® Advanced TMB Substrate

Revision 5  
Revision date 2020-04-28

## 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. No components at >0,01% are listed in the National Toxicology Program (NTP) Report on Carcinogens. No components at >0.01% are listed in the International Agency for Research on Cancer (IARC) Monographs. Not listed in the OSHA standard 1910.1003 Carcinogens.
Reproductive toxicity	No teratogenic effects reported.
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.
--	---

## 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.
--	---

## K-Blue® Advanced TMB Substrate

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## 11.1.13. Other information

No data is available on this product.

## 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 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.

## 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.



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## 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

1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

## Chemical

## Inventories/Right-to-Know Lists:

--International--.

Basel Convention (Hazardous Waste): Not applicable.

Chemical Weapons Convention (OPCW): This material contains no reportable components.

Kyoto Protocol Greenhouse Gases: This material contains no reportable components.

Mercosur Agreement: Applicable.

Montreal Protocol: This material contains no reportable components.

The Rotterdam Convention: This material contains no reportable components.

The Stockholm Convention: This material contains no reportable components.

--Asia and the ASEAN Nations--.

Catalog of Hazardous Chemicals (China): No. 101 [Pyrrol-2-one, CAS No. 616-45-5].

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 material contains no reportable components.

Chemical Substances Control Law (Japan): This material contains no reportable components.

Industrial Safety and Health Act, Dangerous Substances (Japan): This material contains no reportable components.

Poisonous and Deleterious Substances Act (Japan): This material contains no reportable components.

Chemical Substances Subject to Permission (Korea): This material contains no reportable components.

Restricted or Prohibited Substances (Korea): This material contains no reportable components.

Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): This material contains no reportable components.

Philippine Inventory of Chemicals and Chemical Substances (PICCS): Toxic Substances and Hazardous and Nuclear Wastes Control Act (RA6969);, [2-Pyrrolidinone, CAS No. 616-45-5].

Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): This material contains no reportable components.

Hazardous Substances Act (Thailand): This material contains no reportable components.

Law on Chemicals (Vietnam): This material contains no reportable components.

--Australia and New Zealand--.

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 material contains no reportable components.

Annex XVII for REACH: This material contains no reportable components.

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

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

--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 material contains no reportable components.

New Jersey Worker and Community Right to Know Act: This material contains no reportable components.

Pennsylvania Right to Know Law: 2-Pyrrolidinone.

Rhode Island Right-to-Know General Law: This material contains no reportable components.

California Proposition 65: This material contains no reportable components.

## 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 - Description.</li> <li>1 - Manufactured By:.</li> <li>2 - Other hazards.</li> <li>4 - Inhalation.</li> <li>5 - 5.2. Special hazards arising from the substance or mixture.</li> <li>10 - 10.5. Incompatible materials.</li> <li>11 - Repeated or prolonged exposure.</li> <li>11 - Carcinogenicity.</li> <li>11 - STOT-single exposure.</li> <li>11 - 11.1.7. Information on likely routes of exposure.</li> <li>11 - 11.1.13. Other information.</li> <li>12 - 12.6. Other adverse effects.</li> <li>15 - Chemical Inventories/Right-to-Know Lists:.</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>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>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>
Text of Hazard Statements in Section 3	<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

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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 Regulation (EU) 2015/830

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## Amphetamine Ultra-HRP Conjugate

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

#### 1.1. Product identifier

Product name	Amphetamine Ultra-HRP Conjugate
Product code	21284

#### 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	Neogen Corporation
Address	620 Leshler Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	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 By: Neogen Corporation 944 Nandino Blvd. Lexington, KY 40511-1205 U.S.A.
--	--

### 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.
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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.
--	--

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## 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

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 suitable respiratory equipment when necessary.

## 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.

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## 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

### 8.2. 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

Remove and wash contaminated clothing before reuse.

## 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/Light 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>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
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## 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. Do not use components from one kit with any other kit.
--	---

## 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

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. Not listed in the OSHA standard 1910.1003 Carcinogens.
Reproductive toxicity	No teratogenic effects reported.
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.
--	---

### 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



# Amphetamine Ultra-HRP Conjugate

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## 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

**Amphetamine Ultra-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 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.

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## 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>	1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
<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 material contains no reportable components.</p> <p>Kyoto Protocol Greenhouse Gases: This material contains no reportable components.</p> <p>Mercosur Agreement: Applicable.</p> <p>Montreal Protocol: This material contains no reportable components.</p> <p>The Rotterdam Convention: This material contains no reportable components.</p> <p>The Stockholm Convention: This material contains no reportable components.</p> <p>--Asia and the ASEAN Nations--</p> <p>Catalog of Hazardous Chemicals (China): This material contains no reportable components.</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 material contains no reportable components.</p> <p>Air Pollution Control Law (Japan): This material contains no reportable components.</p> <p>Chemical Substances Control Law (Japan): This material contains no reportable components.</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 material contains no reportable components.</p> <p>Soil Contamination Countermeasures Act (Japan): This material contains no reportable components.</p> <p>Water Pollution Control Law (Japan): This material contains no reportable components.</p> <p>Chemical Substances Subject to Permission (Korea): This material contains no reportable components.</p> <p>Restricted or Prohibited Substances (Korea): This material contains no reportable components.</p> <p>Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): This material contains no reportable components.</p> <p>Philippine Inventory of Chemicals and Chemical Substances (PICCS): All ingredients listed or exempt.</p> <p>Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): This material contains no reportable components.</p> <p>Hazardous Substances Act (Thailand): This material contains no reportable components.</p> <p>Law on Chemicals (Vietnam): This material contains no reportable components.</p> <p>--Australia and New Zealand--</p>

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

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 material contains no reportable components.  
 Annex XVII for REACH: This material contains no reportable components.  
 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 material contains no reportable components.  
 New Jersey Worker and Community Right to Know Act: This material contains no reportable components.  
 Pennsylvania Right to Know Law: This material contains no reportable components.  
 Rhode Island Right-to-Know General Law: This material contains no reportable components.  
 California Proposition 65: This material contains no reportable components.

## 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 - Product Use.</li> <li>1 - Manufactured By:.</li> <li>2 - Other hazards.</li> <li>7 - 7.2. Conditions for safe storage, including any incompatibilities.</li> <li>9 - 9.1. Information on basic physical and chemical properties (Odour).</li> <li>10 - 10.4. Conditions to avoid.</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 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.</p>

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## Other information

Text of Hazard Statements in Section 3	<p>WEL: Workplace Exposure Limit.</p> <p>Flam. Liq. 2: H225 - Highly flammable liquid and vapour.</p> <p>Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled</p> <p>STOT SE 1: H370 - Causes damage to organs .</p>
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## 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 Regulation (EU) 2015/830

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## Acid Stop Solution

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

#### 1.1. Product identifier

Product name	Acid Stop Solution
Product code	21336, 27044, 27046, 27048, 301576

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

Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC21] Laboratory chemicals;
Description	Stop solution for use with diagnostic test kit. Intended for laboratory use only.

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

Company	Neogen Corporation
Address	620 Leshar Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	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 - EC 1272/2008	Skin Irrit. 2: H315; Eye Dam. 1: H318;
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#### 2.2. Label elements

##### Hazard pictograms



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## 2.2. Label elements

Signal Word	Danger
Hazard Statement	Skin Irrit. 2: H315 - Causes skin irritation. Eye Dam. 1: H318 - Causes serious eye damage.
Precautionary Statement: Prevention	P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P302+P352 - IF ON SKIN: Wash with plenty of water/ . P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER/doctor/ . P332+P313 - If skin irritation occurs: Get medical advice/attention.

## 2.3. Other hazards

Other hazards	May be corrosive to metals.
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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
Sulfuric acid (Sulphuric acid (mist))		7664-93-9	231-639-5		1 - 5%	Skin Corr. 1B: H314;

#### Description

	Concentrations listed are not product specifications.
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#### 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

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	Causes burns. Causes severe inflammation and may damage the cornea.
Skin contact	Causes skin irritation.
Ingestion	Ingestion may cause nausea and vomiting. May cause oral mucosal irritation.

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

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

Irritant. Do not breathe vapour or spray mist.

### 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

Prevent further spillage if safe. 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.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Exposure Limit Values


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## 8.1.1. Exposure Limit Values

Sulfuric acid (Sulphuric acid (mist))	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 0.05
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
	WEL 8-hr limit mg/m3 total inhalable dust: -	WEL 15 min limit mg/m3 total inhalable dust: -
	WEL 8-hr limit mg/m3 total respirable dust: -	WEL 15 min limit mg/m3 total respirable dust: -

## 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	Wear eye/face protection.
Skin protection - Handprotection	Wear suitable gloves. Wash the outside of gloves before removing them. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
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.

## 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>	Characteristic
<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>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Relative density</b>	> 1
<b>Explosive properties</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<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.
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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

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

	Bases. soft metals.
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### 10.6. Hazardous decomposition products

	Carbon oxides. Sulphur 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. However, this product does contain substance(s) that are classified as hazardous. For more information, see Section 3.
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## 11.1. Information on toxicological effects

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye damage. Causes severe inflammation and may damage the cornea.
Respiratory or skin sensitisation	May cause allergic reactions in susceptible people.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	Listed by the International Agency for Research on Cancer (IARC) as a Group 1 substance: known human carcinogen, [Sulfuric acid (mists), CAS No. 7664-93-9]. Listed in the National Toxicology Program (NTP) Report on Carcinogens as a known human carcinogen, [Sulfuric acid (mists), CAS No. 7664-93-9]. No components at >0,01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values. Not listed in the OSHA standard 1910.1003 Carcinogens.
Reproductive toxicity	No teratogenic effects reported.
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. Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. 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. Inhalation. Ingestion.
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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.
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## 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.
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## 11.1.12. Mixture versus substance information

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

**Acid 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

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

### Further information

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

## 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.

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## 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>	1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
<b>Chemical Inventories/Right-to-Know Lists:</b>	<p>--International--</p> <p>Basel Convention (Hazardous Waste): Not applicable.            Chemical Weapons Convention (OPCW): This material contains no reportable components.            Kyoto Protocol Greenhouse Gases: This material contains no reportable components.            Mercosur Agreement: Applicable.            Montreal Protocol: This material contains no reportable components.            The Rotterdam Convention: This material contains no reportable components.            The Stockholm Convention: This material contains no reportable components.</p> <p>--Asia and the ASEAN Nations--</p> <p>Catalog of Hazardous Chemicals (China): [1302, Sulfuric acid, CAS No. 7664-93-9].            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: Usable hazardous and toxic material, [Sulfuric acid, CAS No. 7664-93-9].            Chemical Substances Control Law (Japan): This material contains no reportable components.            Industrial Safety and Health Act, Dangerous Substances (Japan): Labeling/Notification required, Specified substance, [group 3, Sulfuric acid, CAS No. 7664-93-9].            Poisonous and Deleterious Substances Act (Japan): This material contains no reportable components.            Chemical Substances Subject to Permission (Korea): Priority Control substance, Annex I-127, [Sulfuric acid, CAS No. 7664-93-9].            Restricted or Prohibited Substances (Korea): This material contains no reportable components.            Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): This material contains no reportable components.            Philippine Inventory of Chemicals and Chemical Substances (PICCS): Toxic Substances and Hazardous and Nuclear Wastes Control Act (RA6969):, [Sulfuric acid, CAS No. 7664-93-9].            Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): [1/87, Sulfuric acid, CAS No. 7664-93-9].            Hazardous Substances Act (Thailand): This material contains no reportable components.            Law on Chemicals (Vietnam): Appendix VI, Appendix VII, [Sulfuric acid, CAS No. 7664-93-9].</p> <p>--Australia and New Zealand--</p> <p>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.</p>

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

	<p>--European Union (EU) and the United Kingdom (UK)--.</p> <p>Authorisation List (Annex XIV of REACH): This material contains no reportable components. Annex XVII for REACH: This material contains no reportable components. Article 95 of the Biocidal Products Regulation (BPR): Not applicable.</p> <p>--North America--.</p> <p>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: Sulfuric acid. New Jersey Worker and Community Right to Know Act: Sulfuric acid. Pennsylvania Right to Know Law: Sulfuric acid. Rhode Island Right-to-Know General Law: Sulfuric acid.</p> <p><b>**California residents please note**.</b> WARNING: This product can expose you to chemicals, including sulfuric acid (mists), CAS No. 7664-93-9, which is/are known to the State of California to cause cancer. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>.</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> <ul style="list-style-type: none"> <li>1 - Description.</li> <li>1 - Manufactured By:.</li> <li>5 - 5.3. Advice for firefighters.</li> <li>11 - Carcinogenicity.</li> <li>12 - Further information.</li> <li>12 - 12.6. Other adverse effects.</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). 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>
<b>Text of Hazard Statements in Section 3</b>	<p>Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.</p>

### Further information

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