Kit SDS Cover Sheet

Product Name: Reveal® Q+ MAX for Aflatoxin
Item No(s): 8088, 8088B

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 falls under Hazard Communication [1910.1200(b)(6)], Articles, and does not require a Safety Data Sheet.

Kit Components:
- Sample Diluent
- MAX 1 Aqueous Extraction

For product information, please contact your Neogen Corporation Representative. For further information regarding this SDS, please contact SDS@neogen.com.
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

<table>
<thead>
<tr>
<th>Product name</th>
<th>Sample Diluent, Reveal® Q+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code</td>
<td>24350, 24375</td>
</tr>
</tbody>
</table>

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

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

1.3. Details of the supplier of the safety data sheet

<table>
<thead>
<tr>
<th>Company</th>
<th>Neogen Corporation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>620 Lesher Place</td>
</tr>
<tr>
<td></td>
<td>Lansing MI 48912</td>
</tr>
<tr>
<td></td>
<td>USA</td>
</tr>
<tr>
<td>Web</td>
<td><a href="http://www.neogen.com">www.neogen.com</a></td>
</tr>
<tr>
<td>Telephone</td>
<td>517-372-9200/800-234-5333</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:SDS@neogen.com">SDS@neogen.com</a></td>
</tr>
</tbody>
</table>

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 Statements | No Significant Hazard |

2.3. Other hazards

| Other hazards | May be harmful if swallowed. |

SECTION 3: Composition/information on ingredients

3.2. Mixtures
3.2. Mixtures

**EC 1272/2008**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Index No.</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>REACH Registration Number</th>
<th>Conc. (%w/w)</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene octylphenyl ether</td>
<td>9002-93-1</td>
<td>618-344-0</td>
<td></td>
<td></td>
<td>0 - 0.05%</td>
<td>Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;</td>
</tr>
<tr>
<td>Sodium azide (as Hydrazoic acid vapor)</td>
<td>011-004-00-7</td>
<td>26628-22-8</td>
<td>247-852-1</td>
<td></td>
<td>0 - 0.05%</td>
<td>Acute Tox. 2: H300; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;</td>
</tr>
</tbody>
</table>

**Description**

Included on the Candidate List of Substances of Very High Concern: [Polyethylene octylphenyl ether, CAS No. 9002-93-1].

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.
5.3. Advice for firefighters

Do not breathe vapor 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.

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

8.2. Exposure controls

Appropriate engineering controls

Ensure adequate ventilation of the working area.

Individual protection measures

Use as appropriate: Protective equipment.

Eye / face protection

Use as appropriate: Suitable eye protection.

Skin protection - Hand protection

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.
8.2. Exposure controls

<table>
<thead>
<tr>
<th>Occupational exposure controls</th>
<th>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.</th>
</tr>
</thead>
</table>

Further information

| Remove and wash contaminated clothing before reuse. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>State</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Clear</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless/Slight</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>5.4</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability limits</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water</td>
</tr>
</tbody>
</table>

9.2. Other information

| VOC (Volatile organic compounds) | 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. 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

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>May cause irritation to skin.</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>May cause irritation to eyes.</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>May cause allergic reactions in susceptible people.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>No mutagenic effects reported.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No components at &gt;0.01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values. No components at &gt;0.01% are listed in the International Agency for Research on Cancer (IARC) Monographs. No components at &gt;0.01% are listed in the National Toxicology Program (NTP) Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens.</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>No teratogenic effects reported.</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>May cause allergy or asthma symptoms or breathing difficulties if inhaled.</td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>No Significant Hazard.</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>No Significant Hazard.</td>
</tr>
<tr>
<td>Repeated or prolonged exposure</td>
<td>Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.</td>
</tr>
</tbody>
</table>

#### 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 Harmonized 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.
### SECTION 11: Safety information

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.

<table>
<thead>
<tr>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample Diluent, Reveal® Q+</td>
</tr>
</tbody>
</table>

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. 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

<table>
<thead>
<tr>
<th>Regulations</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basel Convention (Hazardous Waste): Not applicable.</td>
<td></td>
</tr>
<tr>
<td>Chemical Weapons Convention (OPCW): This material contains no reportable components.</td>
<td></td>
</tr>
<tr>
<td>Kyoto Protocol Greenhouse Gases: This material contains no reportable components.</td>
<td></td>
</tr>
<tr>
<td>Mercosur Agreement: Applicable.</td>
<td></td>
</tr>
<tr>
<td>Montreal Protocol: This material contains no reportable components.</td>
<td></td>
</tr>
<tr>
<td>The Rotterdam Convention: This material contains no reportable components.</td>
<td></td>
</tr>
<tr>
<td>The Stockholm Convention: This material contains no reportable components.</td>
<td></td>
</tr>
<tr>
<td><code>--Asia and the ASEAN Nations--.</code></td>
<td></td>
</tr>
<tr>
<td>Catalog of Hazardous Chemicals (China): This material contains no reportable components.</td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Air Pollution Control Law (Japan): This material contains no reportable components.</td>
<td></td>
</tr>
<tr>
<td>Chemical Substances Control Law (Japan): Class I environmental release, [Polyethylene octylphenyl ether, CAS No. 9002-93-1].</td>
<td></td>
</tr>
<tr>
<td>Industrial Safety and Health Act, Dangerous Substances (Japan): This material contains no reportable components.</td>
<td></td>
</tr>
<tr>
<td>Poisonous and Deleterious Substances Act (Japan): This material contains no reportable components.</td>
<td></td>
</tr>
<tr>
<td>Soil Contamination Countermeasures Act (Japan): This material contains no reportable components.</td>
<td></td>
</tr>
<tr>
<td>Water Pollution Control Law (Japan): This material contains no reportable components.</td>
<td></td>
</tr>
<tr>
<td>Chemical Substances Subject to Permission (Korea): This material contains no reportable components.</td>
<td></td>
</tr>
<tr>
<td>Restricted or Prohibited Substances (Korea): This material contains no reportable components.</td>
<td></td>
</tr>
<tr>
<td>Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): This material contains no reportable components.</td>
<td></td>
</tr>
<tr>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS): All ingredients listed or exempt.</td>
<td></td>
</tr>
</tbody>
</table>
### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

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 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) ---

Authorization 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 Prop 65: This material contains no reportable components.

### SECTION 16: Other information

#### Other information

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

1. Description.
2. Manufactured By:
3. Other hazards.
4. Description.
5. Information on basic physical and chemical properties (Explosive properties).
6. Information on basic physical and chemical properties (Solubility).
7. Conditions to avoid.
8. Acute toxicity.
9. Chemical Inventories/Right-to-Know Lists:

#### 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, Labeling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia).
- GHS: Globally Harmonized System.
- IATA: International Air Transport Association.
- ICAO: International Civil Aviation Organization.
- LD: Lethal dose.
- OEL: Occupational exposure limit.
### Other Information

<table>
<thead>
<tr>
<th>Text of Hazard Statements in Section 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA: U.S. Occupational Safety and Health Administration.</td>
</tr>
<tr>
<td>PEL: Permissible Exposure Limit.</td>
</tr>
<tr>
<td>REACH: Registration, Evaluation, Authorization, and Restriction of Chemicals.</td>
</tr>
<tr>
<td>SVHC: Substance of very high concern.</td>
</tr>
<tr>
<td>US DOT: United States Department of Transportation.</td>
</tr>
<tr>
<td>VOC: Volatile Organic Compound.</td>
</tr>
<tr>
<td>WEL: Workplace Exposure Limit.</td>
</tr>
<tr>
<td>Acute Tox. 4: H302 - Harmful if swallowed.</td>
</tr>
<tr>
<td>Skin Irrit. 2: H315 - Causes skin irritation.</td>
</tr>
<tr>
<td>Eye Dam. 1: H318 - Causes serious eye damage.</td>
</tr>
<tr>
<td>Aquatic Acute 1: H400 - Very toxic to aquatic life.</td>
</tr>
<tr>
<td>Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>EUH032 - Contact with acids liberates very toxic gas.</td>
</tr>
<tr>
<td>Acute Tox. 2: H300 - Fatal if swallowed.</td>
</tr>
</tbody>
</table>

### 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, EXPRESSED 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 29 CFR 1910.1200 and GHS

MAX 1 Aqueous Extraction

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

1.1. Product identifier

Product name | MAX 1 Aqueous Extraction
Product code | 8089, 8089-G

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 Lesher 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)

SECTION 2: Hazards identification

2.2. Label elements

Hazard Statements | No Significant Hazard

2.3. Other hazards

Other hazards | Dust may be irritating if inhaled.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EC 1272/2008</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microcrystalline cellulose (Cellulose)</td>
<td></td>
</tr>
</tbody>
</table>
MAX 1 Aqueous Extraction

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

<table>
<thead>
<tr>
<th>Route of Exposure</th>
<th>First Aid Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>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.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>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.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Route of Exposure</th>
<th>Symptoms/Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>May cause irritation to respiratory system.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>May cause irritation to eyes.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>May cause irritation to skin.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Ingestion may cause nausea and vomiting.</td>
</tr>
</tbody>
</table>

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 vapor. 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
SECTION 6: Method and material for containment and cleaning up

Water by cleaning of equipment or disposal of wastes.

SECTION 6: 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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limit Values

<table>
<thead>
<tr>
<th>Microcrystalline cellulose (Cellulose)</th>
<th>ACGIH TLV TWA: 10 mg/m³</th>
<th>ACGIH TLV STEL: -</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Notations: -</td>
<td>OSHA PEL 8hr TWA ppm: -</td>
</tr>
<tr>
<td></td>
<td>OSHA PEL 8hr TWA mg m³: 15</td>
<td>Skin Designation: -</td>
</tr>
<tr>
<td></td>
<td>NIOSH REL 10hr TWA ppm:</td>
<td>NIOSH REL 10hr TWA mg m³:</td>
</tr>
<tr>
<td></td>
<td>NIOSH REL 15 min ST ppm:</td>
<td>NIOSH REL 15 min ST mg m³:</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls: Ensure adequate ventilation of the working area.

Individual protection measures: Use as appropriate: Protective equipment.

Eye / face protection: Use as appropriate: Suitable eye protection.

Skin protection - Hand protection: 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.
8.2. Exposure controls

**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

<table>
<thead>
<tr>
<th>Property</th>
<th>Data Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>Powder</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless/Slight</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water</td>
</tr>
</tbody>
</table>

9.2. Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Data Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas group</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>VOC (Volatile organic compounds)</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>Based on available data, the classification criteria are not met.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>May cause irritation to skin.</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>May cause irritation to eyes.</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>May cause allergic reactions in susceptible people.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>No mutagenic effects reported.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No components at &gt;0.01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values.</td>
</tr>
<tr>
<td></td>
<td>No components at &gt;0.01% are listed in the International Agency for Research on Cancer (IARC) Monographs.</td>
</tr>
<tr>
<td></td>
<td>No components at &gt;0.01% are listed in the National Toxicology Program (NTP) Report on Carcinogens.</td>
</tr>
<tr>
<td></td>
<td>Not listed in the OSHA standard 1910.1003 Carcinogens.</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>No teratogenic effects reported.</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>May cause allergy or asthma symptoms or breathing difficulties if inhaled.</td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>No Significant Hazard.</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>No Significant Hazard.</td>
</tr>
<tr>
<td>Repeated or prolonged exposure</td>
<td>Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.</td>
</tr>
</tbody>
</table>

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 Harmonized 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.
MAX 1 Aqueous Extraction

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

MAX 1 Aqueous Extraction 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

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

<table>
<thead>
<tr>
<th>Regulations</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>--International--.</td>
</tr>
<tr>
<td></td>
<td>Chemical Weapons Convention (OPCW): This product contains no hazardous substances at or above published reporting levels.</td>
</tr>
<tr>
<td></td>
<td>Mercosur Agreement: Not applicable.</td>
</tr>
<tr>
<td></td>
<td>The Rotterdam Convention: This product contains no hazardous substances at or above published reporting levels.</td>
</tr>
<tr>
<td></td>
<td>--Asia and the ASEAN Nations--.</td>
</tr>
<tr>
<td></td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>Chemical Substances Control Law (Japan): This product contains no hazardous substances at or above published reporting levels.</td>
</tr>
</tbody>
</table>
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

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 (USECHHH), Regulation 2000 (Malaysia): Schedule I exposure standard, [Microcrystalline cellulose (respirable), CAS No. 9004-34-6].

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)--.
Authorization 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: 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: Microcrystalline cellulose.

Rhode Island Right-to-Know General Law: Microcrystalline cellulose (respirable).

California Prop 65: This product does not contain reportable substances at >0.0001% concentration.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>TSCA</th>
<th>MA</th>
<th>SARA313</th>
<th>CALPROP65</th>
<th>CWA307</th>
<th>CAA112</th>
<th>CWA311</th>
<th>SARA302</th>
<th>SARA304</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microcrystalline cellulose (Cellulose)</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
</tbody>
</table>
## MAX 1 Aqueous Extraction

### SECTION 16: Other information

<table>
<thead>
<tr>
<th>Revision</th>
<th>Other information</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>This document differs from the previous version in the following areas:</td>
</tr>
<tr>
<td></td>
<td>1 - Description.</td>
</tr>
<tr>
<td></td>
<td>1 - Product Use.</td>
</tr>
<tr>
<td></td>
<td>1 - Manufactured By:</td>
</tr>
<tr>
<td></td>
<td>2 - Other hazards.</td>
</tr>
<tr>
<td></td>
<td>9 - 9.1. Information on basic physical and chemical properties (Freezing Point).</td>
</tr>
<tr>
<td></td>
<td>9 - 9.2. Other information (Gas group).</td>
</tr>
<tr>
<td></td>
<td>15 - Chemical Inventories/Right-to-Know Lists:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Acronyms</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR/RID:</td>
<td>European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR).</td>
</tr>
<tr>
<td>CAS No.:</td>
<td>Chemical Abstracts Service.</td>
</tr>
<tr>
<td>CLASS: Classification, Labeling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia).</td>
<td></td>
</tr>
<tr>
<td>GHS: Globally Harmonized System.</td>
<td></td>
</tr>
<tr>
<td>IATA: International Air Transport Association.</td>
<td></td>
</tr>
<tr>
<td>ICAO: International Civil Aviation Organization.</td>
<td></td>
</tr>
<tr>
<td>IMDG: International Maritime Dangerous Goods.</td>
<td></td>
</tr>
<tr>
<td>LD: Lethal dose.</td>
<td></td>
</tr>
<tr>
<td>OEL: Occupational exposure limit.</td>
<td></td>
</tr>
<tr>
<td>OSHA: U.S. Occupational Safety and Health Administration.</td>
<td></td>
</tr>
<tr>
<td>PEL: Permissible Exposure Limit.</td>
<td></td>
</tr>
<tr>
<td>REACH: Registration, Evaluation, Authorization, and Restriction of Chemicals.</td>
<td></td>
</tr>
<tr>
<td>SVHC: Substance of very high concern.</td>
<td></td>
</tr>
<tr>
<td>US DOT: United States Department of Transportation.</td>
<td></td>
</tr>
<tr>
<td>VOC: Volatile Organic Compound.</td>
<td></td>
</tr>
<tr>
<td>WEL: Workplace Exposure Limit.</td>
<td></td>
</tr>
</tbody>
</table>

### Further information

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