



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 falls under Hazard Communication [1910.1200(b)(6)], *Articles*, 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.

SAFETY DATA SHEET

according to HSNO Act 1996, as amended

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Revive Medium

Revision 2
Revision date 2019-11-11

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

1.1. Product identifier

| | |
|--------------|---------------|
| Product name | Revive Medium |
| Product code | 9022, 9705 |

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) |
|--|--|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

| | |
|-----------------------------|----------------------|
| 2.1.2. Classification - GHS | Resp. Sens. 1: H334; |
|-----------------------------|----------------------|

2.2. Label elements

| | |
|-------------------------------------|--|
| Hazard pictograms |  |
| Signal Word | Danger |
| Hazard Statement | Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| Precautionary Statement: Prevention | P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P284 - [In case of inadequate ventilation] wear respiratory protection. |
| Precautionary Statement: Response | P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER/doctor/ . |

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2.2. Label elements

| | |
|--|--|
| Precautionary Statement: Disposal | P501 - Dispose of contents/container to an approved waste disposal facility in accordance with local and national regulations. |
|--|--|

2.3. Other hazards

| | |
|----------------------|---|
| Other hazards | Combustible dusts: May form combustible dust concentrations in air. |
|----------------------|---|

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 |
|------------------------|-----------|------------|-----------|---------------------------|--------------|---|
| Acid Hydrolysed Casein | | 65072-00-6 | 265-363-1 | | 1 - 10% | EUH209A; |
| Sodium Thioglycolate | | 367-51-1 | 206-696-4 | | 0 - 0.5% | Met. Corr. 1: H290; Acute Tox. 4: H302+H312; Resp. Sens. 1: H334; |

Description

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

Further information

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

SECTION 4: First aid measures

4.1. Description of first aid measures

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

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

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

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

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

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5.2. Special hazards arising from the substance or mixture

May form combustible dust/air mixture. Avoid formation of dust.

5.3. Advice for firefighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

8.2. 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.

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8.2. Exposure controls

| | |
|---------------------------------------|---|
| 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

| | |
|----------------------------------|-------------------|
| Appearance | Powder |
| Colour | Beige |
| Odour | Mild |
| Odour threshold | No data available |
| pH | 6.9 - 7.3 |
| Melting point | No data available |
| Freezing Point | No data available |
| Initial boiling point | Not applicable. |
| Flash point | No data available |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Vapour pressure | No data available |
| Vapour density | No data available |
| Relative density | No data available |
| Partition coefficient | No data available |
| Autoignition temperature | No data available |
| Viscosity | Not applicable. |
| Explosive properties | No data available |
| Oxidising properties | No data available |
| Solubility | Soluble in water |

9.2. Other information

| | |
|---|-----------------|
| VOC (Volatile organic compounds) | Not applicable. |
|---|-----------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

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

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

| | |
|--|--|
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|--|--|

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10.6. Hazardous decomposition products

Carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|--|--|
| Acute toxicity | Based on available data, the classification criteria are not met. However, this product does contain substance(s) that are classified as hazardous. For more information, see Section 3. |
| Skin corrosion/irritation | May cause irritation to skin. |
| Serious eye damage/irritation | May cause irritation to eyes. |
| Respiratory or skin sensitisation | May cause allergic reactions in susceptible people. May cause sensitisation by inhalation. |
| Germ cell mutagenicity | No mutagenic effects reported. |
| Carcinogenicity | Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-123. Not listed in the National Toxicology Program (NTP) 14th Report on Carcinogens. Not 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. 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. Ingestion. Inhalation. Skin contact.

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

See Section(s) 4.2 for further information.

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

See Section(s) 4.2 for further information.

11.1.10. Interactive effects

No data available.

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11.1.11. Absence of specific data

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

11.1.12. Mixture versus substance information

See Section(s) 3 for further information.

11.1.13. Other information

Caution - substance not yet fully tested.

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

Revive Medium 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

Caution - substance not yet fully tested.

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.

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14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

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

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

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

| | |
|--|--|
| Regulations | <p>This document has been prepared in accordance with the requirements set out under the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017, the Hazardous Substances (Safety Data Sheets) Notice 2017 and the Hazardous Substances (Labelling) Notice 2017.</p> |
| Chemical Inventories/Right-to-Know Lists: | <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): This material contains no reportable components. 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);, [Sodium thioglycolate, CAS No. 367-51-1]. 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.</p> <p>--Australia and New Zealand--.</p> <p>Australian Dangerous Goods Code: Not applicable.</p> |

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

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

| | |
|------------------------|---|
| <p>Revision</p> | <p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> 1 - Description. 1 - Product Use. 2 - Other hazards. 3 - Description. 4 - Inhalation. 5 - 5.2. Special hazards arising from the substance or mixture. 9 - 9.1. Information on basic physical and chemical properties (Viscosity). 9 - 9.1. Information on basic physical and chemical properties (Evaporation rate). 9 - 9.2. Other information (VOC (Volatile organic compounds)). 9 - 9.2. Other information (Product Subcategory). 11 - 11.1.4. Toxicological Information. 11 - Acute toxicity. 11 - Respiratory or skin sensitisation. 15 - Chemical Inventories/Right-to-Know Lists:. 16 - Maximum content of VOC. |
| <p>Acronyms</p> | <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.</p> |

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Revision date 2019-11-11

Other information

| | |
|--|--|
| | <p>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> |
| <p>Text of Hazard Statements in Section 3</p> | <p>AUH209A - Can become flammable in use. Met. Corr. 1: H290 - May be corrosive to metals. Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> |

Further information

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

SAFETY DATA SHEET

according to HSNO Act 1996, as amended

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RV Medium

Revision 2
Revision date 2019-11-11

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

1.1. Product identifier

| | |
|--------------|------------------|
| Product name | RV Medium |
| Product code | 9237, 9729, 9716 |

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) |
|--|--|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

| | |
|-----------------------------|----------------|
| 2.1.2. Classification - GHS | Repr. 2: H361; |
|-----------------------------|----------------|

2.2. Label elements

| | |
|-------------------------------------|---|
| Hazard pictograms |  |
| Signal Word | Warning |
| Hazard Statement | Repr. 2: H361 - Suspected of damaging fertility or the unborn child . |
| Precautionary Statement: Prevention | P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear protective gloves/protective clothing/eye protection/face protection. |
| Precautionary Statement: Response | P308+P313 - IF exposed or concerned: Get medical advice/attention. |

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2.2. Label elements

| | |
|--|--|
| Precautionary Statement: Disposal | P501 - Dispose of contents/container to an approved waste disposal facility in accordance with local and national regulations. |
|--|--|

2.3. Other hazards

| | |
|----------------------|---|
| Other hazards | Combustible dusts: May form combustible dust concentrations in air. |
|----------------------|---|

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 |
|-------------------------|--------------|------------|-----------|---------------------------|--------------|---|
| Acid Hydrolysed Casein | | 65072-00-6 | 265-363-1 | | 1 - 10% | EUH209A; |
| malachite green oxalate | 602-096-00-5 | 2437-29-8 | 219-441-7 | | 0 - 0.5% | Repr. 2: H361d; Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; |

Description

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

Further information

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

SECTION 4: First aid measures

4.1. Description of first aid measures

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

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

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

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

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

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

May form combustible dust/air mixture. Avoid raising dust.

5.3. Advice for firefighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

8.2. 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.

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8.2. Exposure controls

| | |
|---------------------------------------|---|
| 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

| | |
|----------------------------------|-------------------|
| Appearance | Powder |
| Colour | Grey/Light blue |
| Odour | Mild |
| Odour threshold | No data available |
| pH | 4.7 - 5.1 |
| Melting point | No data available |
| Freezing Point | No data available |
| Initial boiling point | Not applicable. |
| Flash point | No data available |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Vapour pressure | No data available |
| Vapour density | No data available |
| Relative density | No data available |
| Partition coefficient | No data available |
| Autoignition temperature | No data available |
| Viscosity | Not applicable. |
| Explosive properties | No data available |
| Oxidising properties | No data available |
| Solubility | Soluble in water |

9.2. Other information

| | |
|---|-----------------|
| VOC (Volatile organic compounds) | Not applicable. |
|---|-----------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

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

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

RV Medium

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10.6. Hazardous decomposition products

Carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|--|--|
| Acute toxicity | Based on available data, the classification criteria are not met. However, this product does contain substance(s) that are classified as hazardous. For more information, see Section 3. |
| Skin corrosion/irritation | May cause irritation to skin. |
| Serious eye damage/irritation | May cause irritation to eyes. |
| Respiratory or skin sensitisation | May cause allergic reactions in susceptible people. |
| Germ cell mutagenicity | No mutagenic effects reported. |
| Carcinogenicity | Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-123. Not listed in the National Toxicology Program (NTP) 14th Report on Carcinogens. Not 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 | Adverse reproductive effects have been found in laboratory animals. |
| 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. Ingestion. Inhalation. Skin contact.

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

See Section(s) 4.2 for further information.

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

See Section(s) 4.2 for further information.

11.1.10. Interactive effects

No data available.

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11.1.11. Absence of specific data

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

11.1.12. Mixture versus substance information

See Section(s) 3 for further information.

11.1.13. Other information

Caution - substance not yet fully tested.

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

RV Medium 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

Caution - substance not yet fully tested.

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.

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14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

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

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

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

| | |
|--|--|
| Regulations | This document has been prepared in accordance with the requirements set out under the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017, the Hazardous Substances (Safety Data Sheets) Notice 2017 and the Hazardous Substances (Labelling) Notice 2017. |
| Chemical Inventories/Right-to-Know Lists: | <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>Chemical Substances Control Law (Japan):. Type II monitoring, No. 1007 [Malachite green oxalate, CAS No. 2437-29-8]. Type III monitoring, No. 256 [Malachite green oxalate, CAS No. 2437-29-8].</p> <p>Industrial Safety and Health Act, Dangerous Substances (Japan): This material contains no reportable components.</p> <p>Poisonous and Deleterious Substances Act (Japan): Deleterious substance, [Malachite green oxalate, CAS No. 2437-29-8].</p> <p>Chemical Substances Subject to Permission (Korea): Priority Control substance, [06-5-1, Malachite green oxalate, CAS No. 2437-29-8].</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): Toxic Substances and Hazardous and Nuclear Wastes Control Act (RA6969):, [Malachite green oxalate, CAS No. 2437-29-8], [Tartaric acid, CAS No. 87-69-4].</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): Appendix V, [Tartaric acid, CAS No. 87-69-4].</p> |

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

--Australia and New Zealand--.
 Australian Dangerous Goods Code: Not applicable.
 Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt.
 New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt.

--European Union (EU) and the United Kingdom (UK)--.
 Authorisation List (Annex XIV of REACH): This 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

| | |
|----------|--|
| Revision | <p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> 1 - Description. 1 - Product Use. 2 - Other hazards. 2 - 2.1.2. Classification - GHS. 2 - Hazard pictograms. 2 - Signal Word. 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 2 - Precautionary Statement: Storage. 2 - Precautionary Statement: Disposal. 3 - Description. 4 - Inhalation. 4 - Ingestion. 5 - 5.2. Special hazards arising from the substance or mixture. 9 - 9.1. Information on basic physical and chemical properties (Viscosity). 9 - 9.1. Information on basic physical and chemical properties (Evaporation rate). 9 - 9.1. Information on basic physical and chemical properties (Solubility). 9 - 9.2. Other information (Product Subcategory). 11 - 11.1.4. Toxicological Information. 11 - Acute toxicity. 11 - Reproductive toxicity. 15 - Chemical Inventories/Right-to-Know Lists:. 16 - Maximum content of VOC. |
| Acronyms | <p>ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR). CAS No.: Chemical Abstracts Service.</p> |

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Other information

| | |
|--|---|
| | <p>CLASS: Classification, Labelling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia).</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>AUH209A - Can become flammable in use.</p> <p>Acute Tox. 4: H302 - Harmful if swallowed.</p> <p>Eye Dam. 1: H318 - Causes serious eye damage.</p> <p>Repr. 2: H361d - Suspected of damaging the unborn child.</p> <p>Aquatic Acute 1: H400 - Very toxic to aquatic life.</p> <p>Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</p> |

Further information

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



SAFETY DATA SHEET

according to HSNO Act 1996, as amended

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

1.1. Product identifier

| | |
|--------------|---------------|
| Product name | M Broth |
| Product code | NCM0125, 7296 |

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)

Further information

| | |
|------------------|---|
| Manufactured By: | Neogen Corporation 740 East Shiawassee Lansing, MI 48912 U.S.A. Neogen Corporation 1 Quest Park-Moss Hall Road Heywood Lancashire BL97JJ UK. |
|------------------|---|

SECTION 2: Hazards identification

2.2. Label elements

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

2.3. Other hazards

| | |
|---------------|---|
| Other hazards | Contains substance(s) which are hazardous to the environment. |
|---------------|---|

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. |
|--|---|

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

| | |
|--|---|
| | May form combustible dust/air mixture. Contains substance(s) which are hazardous to the environment. Do not allow runoff water to enter sewers or drains. |
|--|---|

5.3. Advice for firefighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

| | |
|--|--|
| | Avoid formation of dust. Clean spillage area thoroughly with plenty of water. Do not contaminate |
|--|--|

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6.3. Methods and material for containment and cleaning up

water by cleaning of equipment or disposal of wastes.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

See Section(s) 1.2 for further information.

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

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9.1. Information on basic physical and chemical properties

| | |
|----------------------------------|-------------------|
| Appearance | Powder |
| Colour | Beige |
| Odour | Characteristic |
| Odour threshold | No data available |
| pH | 7.1 - 7.5 |
| Melting point | No data available |
| Freezing Point | No data available |
| Initial boiling point | No data available |
| Flash point | No data available |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Vapour pressure | No data available |
| Vapour density | No data available |
| Relative density | No data available |
| Partition coefficient | No data available |
| Autoignition temperature | No data available |
| Viscosity | Not applicable. |
| Explosive properties | No data available |
| Oxidising properties | No data available |
| Solubility | Soluble in water |

9.2. Other information

| | |
|---|-----------------|
| Gas group | Not applicable. |
| VOC (Volatile organic compounds) | Not applicable. |

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

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

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------|---|
| Acute toxicity | Based on available data, the classification criteria are not met. |
|-----------------------|---|

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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 | Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-123. Not listed in the National Toxicology Program (NTP) 14th Report on Carcinogens. Not 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. 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. Ingestion. Inhalation. Skin contact. |
|--|---|

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

| | |
|--|--|
| | |
|--|--|

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11.1.13. Other information

Caution - substance not yet fully tested.

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

M Broth No data available

12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

No data is available on this product.

12.6. Other adverse effects

Contains substance(s) which are hazardous to the environment.

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

This document has been prepared in accordance with the requirements set out under the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017, the Hazardous Substances (Safety Data Sheets) Notice 2017 and the Hazardous Substances (Labelling) Notice 2017.

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): This material contains no reportable components.
 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): Class I environmental release, Air Pollution Control Law.; Water Pollution Control Law.; [Manganese(II) chloride tetrahydrate (manganese compounds), CAS No. 13446-34-9], Water Pollution Control Law.; [Iron(II) sulfate heptahydrate (iron compounds), CAS No. 7782-63-0].
 Industrial Safety and Health Act, Dangerous Substances (Japan): Labeling/Notification required, [Manganese(II) chloride tetrahydrate (manganese compounds), CAS No. 13446-34-9].
 Administrative controls, reg. no. 30 [Manganese(II) chloride tetrahydrate (manganese compounds), CAS No. 13446-34-9].
 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);, [Manganese(II) chloride tetrahydrate (manganese compounds), CAS No. 13446-34-9], [Iron(II) sulfate heptahydrate (iron compounds), CAS No. 7782-63-0].
 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.

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

| | |
|--|---|
| | <p>--Australia and New Zealand--.</p> <p>Australian Dangerous Goods Code: Not applicable.</p> <p>Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt.</p> <p>New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt.</p> <p>--European Union (EU) and the United Kingdom (UK)--.</p> <p>Authorisation List (Annex XIV of REACH): This material contains no reportable components.</p> <p>Annex XVII for REACH: This material contains no reportable components.</p> <p>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.</p> <p>Toxic Substances Control Act (TSCA): All ingredients listed or exempt.</p> <p>Massachusetts Right-to-Know Hazardous Substance List: This material contains no reportable components.</p> <p>New Jersey Worker and Community Right to Know Act: This material contains no reportable components.</p> <p>Pennsylvania Right to Know Law: This material contains no reportable components.</p> <p>Rhode Island Right-to-Know General Law: This material contains no reportable components.</p> <p>California Proposition 65: This material contains no reportable components.</p> |
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SECTION 16: Other information

Other information

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| Revision | <p>This document differs from the previous version in the following areas:.</p> <p>1 - Description.</p> <p>1 - Product Use.</p> <p>1 - Manufactured By:.</p> <p>2 - Other hazards.</p> <p>4 - Inhalation.</p> <p>5 - 5.2. Special hazards arising from the substance or mixture.</p> <p>7 - 7.2. Conditions for safe storage, including any incompatibilities.</p> <p>9 - 9.1. Information on basic physical and chemical properties (Flash point).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Flammability (solid, gas)).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Autoignition temperature).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Explosive properties).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Oxidising properties).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Vapour pressure).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Viscosity).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Vapour density).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Fat Solubility).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Odour threshold).</p> <p>9 - 9.2. Other information (Conductivity).</p> <p>9 - 9.2. Other information (Surface tension).</p> <p>9 - 9.2. Other information (Benzene Content).</p> <p>9 - 9.2. Other information (Product Subcategory).</p> <p>9 - 9.2. Other information (Lead content).</p> <p>12 - 12.6. Other adverse effects.</p> <p>15 - Chemical Inventories/Right-to-Know Lists:.</p> <p>16 - Maximum content of VOC.</p> |
| Acronyms | <p>ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR).</p> |

M Broth

Revision 2
Revision date 2019-11-13

Other information

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.

Further information

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

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