



SAFETY DATA SHEET

according to HSNO Act 1996, as amended

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Brilliant Green Bile Broth, 2%

Revision 3
Revision date 2020-08-20

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

1.1. Product identifier

| | |
|--------------|--------------------------------|
| Product name | Brilliant Green Bile Broth, 2% |
| Product code | NCM0048, LAB051, 7119 |

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; [PROC15] Use as laboratory reagent; |
| Description | Intended for laboratory use only. For in vitro use only. |

1.3. Details of the supplier of the safety data sheet

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

1.4. Emergency telephone number

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

| | |
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| | 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. |
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture


| | |
|-----------------------------|---|
| 2.1.2. Classification - GHS | Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335; |
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2.2. Label elements

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2.2. Label elements

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|-------------------------------------|--|
| Hazard pictograms |  |
| Signal Word | Warning |
| Hazard Statement | Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation. |
| Precautionary Statement: Prevention | P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection. |
| Precautionary Statement: Response | P302+P352 - IF ON SKIN: Wash with plenty of water/ . P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. |
| Precautionary Statement: Storage | P403+P233 - Store in a well-ventilated place. Keep container tightly closed. |
| 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

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

3.2. Mixtures

EC 1272/2008

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification |
|-----------------|-----------|-----------|-----------|---------------------------|--------------|---|
| Oxbile (Oxgall) | | 8008-63-7 | 232-369-0 | | 20 - 30% | Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335; |

Description

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| | Concentrations listed are not product specifications. |
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Further information

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

4.1. Description of first aid measures

| | |
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| 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 |

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4.1. Description of first aid measures

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| | thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell. |
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4.2. Most important symptoms and effects, both acute and delayed

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| Inhalation | May cause irritation to respiratory system. |
| Eye contact | Causes eye irritation. |
| Skin contact | Causes skin irritation. |
| Ingestion | Ingestion may cause nausea and vomiting. May cause oral mucosal irritation. |

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

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

5.1. Extinguishing media

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

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| | Irritant. Avoid raising dust. Do not allow undiluted product to be released to ground water, water course or sewage system. |
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5.3. Advice for firefighters

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

6.1. Personal precautions, protective equipment and emergency procedures

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

| | |
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| | 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

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| | Avoid formation of dust. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes. |
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6.4. Reference to other sections

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

7.1. Precautions for safe handling

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

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| | Store at temperatures between 2 °C and 30 °C. |
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7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

See Section(s) 1.2 for further information.

Further information

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No occupational exposure limits known.

8.2. Exposure controls



8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Use as appropriate: Protective equipment.

Eye / face protection

Wear eye/face protection.

Skin protection - Handprotection

Wear suitable gloves. Wash the outside of gloves before removing them. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Skin protection - Other

Use as appropriate: Protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Occupational exposure controls

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

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

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9.1. Information on basic physical and chemical properties

| | |
|----------------------------------|---------------------|
| Appearance | Powder |
| Colour | Light green |
| Odour | Characteristic/Mild |
| Odour threshold | No data available |
| pH | 7.2 - 7.6 |
| 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. |
| Benzene Content | No data available |
| Lead content | No data available |
| VOC (Volatile organic compounds) | Not applicable. |

SECTION 10: Stability and reactivity

10.1. Reactivity

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| | Stable under normal conditions. |
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10.2. Chemical stability

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

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

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

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| | No data available. |
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10.6. Hazardous decomposition products

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| | Carbon oxides. |
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SECTION 11: Toxicological information

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11.1. Information on toxicological effects

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| 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 | Causes skin irritation. |
| Serious eye damage/irritation | Causes serious eye irritation. |
| Respiratory or skin sensitisation | May cause allergic reactions in susceptible people. |
| Germ cell mutagenicity | Contains material(s) which may interfere with normal development of embryo/fetus. |
| Carcinogenicity | No components at >0,01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values. No components at >0.01% are listed in the International Agency for Research on Cancer (IARC) Monographs. No components at >0,01% are listed in the National Toxicology Program (NTP) Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens. |
| Reproductive toxicity | No teratogenic effects reported. |
| STOT-single exposure | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| STOT-repeated exposure | No Significant Hazard. |
| Aspiration hazard | No Significant Hazard. |
| Repeated or prolonged exposure | Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible. |
| 11.1.2. Mixtures | |
| | See Section(s) 3 for further information. |
| 11.1.3. Hazard Information | |
| | See Section(s) 2 and 3 for further information. |
| 11.1.4. Toxicological Information | |
| | No data available |
| 11.1.5. Hazard Class | |
| | See Section(s) 2 and 14 for further information. |
| 11.1.6. Classification Criteria | |
| | Based on the Globally Harmonised System (GHS) considerations for the classification of mixtures. See Section 15 for regulatory citations. |
| 11.1.7. Information on likely routes of exposure | |
| | Eye contact. Skin contact. Inhalation. Ingestion. |
| 11.1.8. Symptoms related to the physical, chemical and toxicological characteristics | |
| | See Section(s) 4.2 for further information. |
| 11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure | |
| | See Section(s) 4.2 for further information. |
| 11.1.10. Interactive effects | |
| | No data available. |
| 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 | |

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11.1.12. Mixture versus substance information

See Section(s) 3 for further information.

11.1.13. Other information

No data available.

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

Brilliant Green Bile Broth, 2% No data available

12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

No data is available on this product.

12.6. Other adverse effects

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

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.

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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>Air Pollution Control Law (Japan): This material contains no reportable components.</p> <p>Chemical Substances Control Law (Japan): This material contains no reportable components.</p> <p>Industrial Safety and Health Act, Dangerous Substances (Japan): Strong mutagenic substance, [Brilliant green, CAS No. 633-03-4].</p> <p>Poisonous and Deleterious Substances Act (Japan): This material contains no reportable components.</p> <p>Soil Contamination Countermeasures Act (Japan): This material contains no reportable components.</p> <p>Water Pollution Control Law (Japan): This material contains no reportable components.</p> <p>Chemical Substances Subject to Permission (Korea): This material contains no reportable components.</p> <p>Restricted or Prohibited Substances (Korea): This material contains no reportable components.</p> <p>Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): This material contains no reportable components.</p> <p>Philippine Inventory of Chemicals and Chemical Substances (PICCS): All ingredients listed or exempt.</p> <p>Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): This material contains no reportable components.</p> <p>Hazardous Substances Act (Thailand): This material contains no reportable components.</p> |

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

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)--
Authorisation List (Annex XIV of REACH): All ingredients listed or exempt.
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 - Manufactured By:. 2 - Other hazards. 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 2 - Precautionary Statement: Storage. 5 - 5.2. Special hazards arising from the substance or mixture. 7 - 7.2. Conditions for safe storage, including any incompatibilities. 8 - 8.1. Control parameters. 9 - 9.1. Information on basic physical and chemical properties (Odour). 9 - 9.1. Information on basic physical and chemical properties (Oxidising properties). 9 - 9.1. Information on basic physical and chemical properties (Vapour pressure). 9 - 9.1. Information on basic physical and chemical properties (Vapour density). 9 - 9.1. Information on basic physical and chemical properties (Odour threshold). 9 - 9.2. Other information (Gas group). 9 - 9.2. Other information (Benzene Content). 9 - 9.2. Other information (Lead content). 11 - Repeated or prolonged exposure. 11 - Germ cell mutagenicity. 15 - Chemical Inventories/Right-to-Know Lists:. |
| <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).</p> |

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Other information

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| | <p>FIFRA: U.S. Federal Insecticide, Fungicide, and Rodenticide Act. GHS: Globally Harmonized System. HCS 2012: U.S. Hazard Communication Standard (2012 revision). IATA: International Air Transport Association. ICAO: International Civil Aviation Organisation. IMDG: International Maritime Dangerous Goods. LD: Lethal dose. OEL: Occupational exposure limit. OSHA: U.S. Occupational Safety and Health Administration. PEL: Permissible Exposure Limit. REACH: Registration, Evaluation, Authorisation, and Restriction of Chemicals. SVHC: Substance of very high concern. US DOT: United States Department of Transportation. VOC: Volatile Organic Compound. WEL: Workplace Exposure Limit.</p> |
| <p>Text of Hazard Statements in Section 3</p> | <p>Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation.</p> |

Further information

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