



SAFETY DATA SHEET

according to HSNO Act 1996, as amended

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PI-60/45

Revision 1
Revision date 2020-03-05

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

1.1. Product identifier

| | |
|--------------|----------------|
| Product name | PI-60/45 |
| Product code | 416270, 316270 |

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; [PC37] Water treatment chemicals; |
| Description | Water treatment chemicals. For animal 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

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:
Preserve International
944 Nandino Blvd.
Lexington, KY 40511-1205 U.S.A.

Preserve International is a wholly-owned subsidiary of Neogen Corporation.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture


2.1.2. Classification - GHS Skin Corr. 1B: H314; STOT SE 3: H335; Aquatic Chronic 3: H412;

2.2. Label elements

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2.2. Label elements

| | |
|-------------------------------------|--|
| Hazard pictograms |  |
| Signal Word | Danger |
| Hazard Statement | Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. STOT SE 3: H335 - May cause respiratory irritation. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. |
| Precautionary Statement: Prevention | P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection. |
| Precautionary Statement: Response | P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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. P312 - Call a POISON CENTER/doctor/ if you feel unwell. P363 - Wash contaminated clothing before reuse. |
| 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 hazardous/special waste disposal facility in accordance with local and national regulations |

2.3. Other hazards

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

Further information

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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3.2. Mixtures

EC 1272/2008

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification |
|--|--------------|-----------|-----------|---------------------------|--------------|--|
| Sodium hydroxide | 011-002-00-6 | 1310-73-2 | 215-185-5 | | 10 - 20% | Skin Corr. 1A: H314; |
| Propionic acid...% (Propionic acid) | 607-089-00-0 | 79-09-4 | 201-176-3 | | 40 - 50% | Skin Corr. 1B: H314; |
| Propylene glycol (Propane-1,2-diol) Vapour and particulates Particulates only) | | 57-55-6 | 200-338-0 | | 0.5 - 1% | |
| Ammonia solution | 007-001-01-2 | 1336-21-6 | 215-647-6 | | 0 - 0.5% | Skin Corr. 1B: H314; Aquatic Acute 1: H400; |
| Copper sulphate | 029-004-00-0 | 7758-98-7 | 231-847-6 | | 0 - 0.5% | Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; |
| Acetic acid ...% (Acetic acid) | 607-002-00-6 | 64-19-7 | 200-580-7 | | 0 - 0.5% | Flam. Liq. 3: H226; Skin Corr. 1A: H314; |
| Benzoic acid | | 65-85-0 | 200-618-2 | | 0 - 0.5% | Skin Irrit. 2: H315; Eye Dam. 1: H318; STOT RE 1: H372; Aquatic Acute 3: H402; |

Description

Concentrations listed are not product specifications.

Further information

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

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--------------|--|
| Inhalation | Move the exposed person to fresh air. Immediate medical attention is required. If unconscious, check for breathing and apply artificial respiration if necessary. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. |
| Eye contact | Remove the affected person from the source of contamination immediately. Hold eye open and rinse slowly and gently with water for 15-20 minutes. Contact lenses should be removed. Immediate medical attention is required. |
| Skin contact | Remove the affected person from the source of contamination immediately. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Immediate medical attention is required. |
| Ingestion | Rinse mouth thoroughly. Do not induce vomiting unless told to do so by the poison control center or doctor. Probable mucosal damage may contraindicate the use of gastric lavage. Never give anything by mouth to an unconscious person. Immediate medical attention is required. |

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

| | |
|--------------|---|
| Inhalation | Corrosive to the respiratory tract. Causes burns. In severe cases, may cause loss of consciousness. May cause irritation to mucous membranes. May cause dizziness and headache. |
| Eye contact | Risk of serious damage to eyes. Causes severe inflammation and may damage the cornea. Danger of very serious irreversible effects. |
| Skin contact | Corrosive to living tissue. Causes skin burns. Danger of very serious irreversible effects. |
| Ingestion | Corrosive to living tissue. Causes severe burns. Danger of very serious irreversible effects. 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

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Revision 1
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there are burns or symptoms of poisoning. Immediate medical attention is required. 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

Corrosive. Do not breathe vapour or spray mist.

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Do not breathe vapour or spray mist. Wear self-contained breathing apparatus and chemical-protective clothing.

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

In the case of cleanup following a spill, wear protective clothing and appropriate equipment to prevent exposure of skin and eyes and to prevent ingestion or inhalation. Ensure adequate ventilation of the working area. Keep personnel away from spill. Avoid contact with eyes and skin. Avoid prolonged or repeated exposure. Keep away from incompatible materials.

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 with inert, absorbent material. Collect spillage. Transfer to suitable, labelled containers for disposal. Dispose of this material and its container to hazardous or special waste collection point. 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. Handle and open container with care. Do not breathe vapour or spray mist. Ensure adequate ventilation of the working area. In case of insufficient ventilation, wear suitable respiratory equipment. Causes eye damage and skin damage. Wear chemical protective clothing. Wear goggles or face shield and rubber gloves when handling this product. 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. Contaminated work clothing should not be allowed out of the workplace. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not eat, drink or smoke in areas where this product is used or stored.
Read the entire label and follow all use directions, restrictions, and precautions.

7.2. Conditions for safe storage, including any incompatibilities

Store in original container in a cool, dry place inaccessible to children and pets. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal. Keep containers closed and away from other chemicals. Do not store with incompatible substances or mixtures. Follow label instructions.

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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.

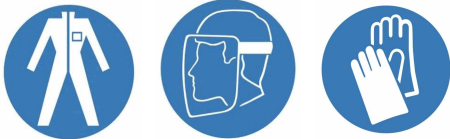
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

| | | |
|---|---------------------------|--------------------------------|
| Propionic acid...% (Propionic acid) | TWA ppm: 10 STEL ppm: | TWA mg/m3: 30 STEL mg/m3: |
| Propylene glycol (Propane-1,2-diol Vapour and particulates Particulates only) | TWA ppm: 150 STEL ppm: | TWA mg/m3: "474 STEL mg/m3: |
| Sodium hydroxide | TWA ppm: STEL ppm: | TWA mg/m3: 2 STEL mg/m3: |

8.2. Exposure controls

| | |
|---|---|
| |  |
| 8.2.1. Appropriate engineering controls | Ensure adequate ventilation of the working area. Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. |
| 8.2.2. Individual protection measures | Wear chemical protective clothing. Do not breathe dust or vapour. |
| Eye / face protection | Wear: Chemical safety goggles, Face shield. |
| Skin protection - Handprotection | Wear: Chemical resistant 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 | After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing, gloves and eye/face protection. |
| 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. Provide chemical shower. Provide eye wash station. Protect clothing from contact with the product. Contaminated work clothing should not be allowed out of the workplace. Avoid contamination of food or feedstuffs. |

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 | Liquid |
| Colour | Light blue |
| Odour | Mild |
| Odour threshold | No data available |
| pH | 4.5 - 5.75 |
| Melting point | No data available |
| Freezing Point | No data available |
| Initial boiling point | No data available |
| Flash point | No data available |
| Evaporation rate | No data available |
| Flammability (solid, gas) | Not applicable. |
| Vapour pressure | No data available |
| Vapour density | No data available |
| Relative density | 1.085 - 1.175 |
| Partition coefficient | No data available |
| Autoignition temperature | No data available |
| Viscosity | No data available |
| Explosive properties | Not applicable. |
| 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

| | |
|--|---------------------------------|
| | 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. Keep away from incompatible materials. |
|--|---|

10.5. Incompatible materials

| | |
|--|------------------------------|
| | Keep away from strong bases. |
|--|------------------------------|

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

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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 | Corrosive to living tissue. Causes burns. Possible risk of irreversible effects. |
| Serious eye damage/irritation | Causes severe burns. Causes severe inflammation and may damage the cornea. Possible risk of irreversible effects. |
| Respiratory or skin sensitisation | May cause allergic reactions in susceptible people. |
| Germ cell mutagenicity | No mutagenic effects reported. |
| Reproductive toxicity | No teratogenic effects reported. |
| STOT-single exposure | May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause oral mucosal irritation. |
| STOT-repeated exposure | Components(s) may cause damage to human organs based on animal data. |
| Aspiration hazard | No Significant Hazard. |
| Repeated or prolonged exposure | Avoid prolonged or repeated exposure. Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible. |
| 11.1.2. Mixtures | |
| | See Section(s) 3 for further information. |
| 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 4 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 | |
| | See Section(s) 3 for further information. |
| 11.1.13. Other information | |
| | Refer to product label and/or package insert for additional information. |

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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

PI-60/45 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

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Dispose of contents/container to an approved hazardous/special waste disposal facility in accordance with local and national regulations. Do not discharge effluent containing this product to sewer systems. Follow label instructions.

Disposal methods

Dispose of contents/container to an approved hazardous/special waste disposal facility in accordance with local and national regulations. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not empty into drains; dispose of this material and its container in a safe way. Do not flush into surface water. Do not let product contaminate subsoil.

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. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations. Can be recycled if in compliance with local and national regulations.

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

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14.1. UN number

| | |
|--|--------|
| | UN1760 |
|--|--------|

14.2. UN proper shipping name

| | |
|--|---|
| | CORROSIVE LIQUID, N.O.S. (Propionic acid, Sodium hydroxide) |
|--|---|

14.3. Transport hazard class(es)

| | |
|-------------------|---|
| ADR | 8 |
| Subsidiary risk | - |
| IMDG / GGVSee | 8 |
| Subsidiary risk | - |
| IATA / ICAO / DGR | 8 |
| Subsidiary risk | - |

14.4. Packing group

| | |
|---------------|----|
| Packing group | II |
|---------------|----|

14.5. Environmental hazards

| | |
|-----------------------|----|
| Environmental hazards | No |
| Marine pollutant | No |

ADR

| | |
|-----------------|-----|
| Hazard ID | 80 |
| Tunnel Category | (E) |

IMDG / GGVSee

| | |
|----------|---------|
| EmS Code | F-A S-B |
|----------|---------|

IATA / ICAO / DGR

| | |
|---------------------------------|------|
| Packing Instruction (Cargo) | 855 |
| Maximum quantity | 30 L |
| Packing Instruction (Passenger) | 851 |
| Maximum quantity | 1 L |

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): H8. Chemical Weapons Convention (OPCW): This material contains no reportable components. Kyoto Protocol Greenhouse Gases: This material contains no reportable components. Mercosur Agreement: Not 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): [126, Propanoic acid, CAS No. 79-09-4], [2630, Acetic acid (Ethanoic acid solution), CAS No. 64-19-7].</p> |

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

Regulation of Minister of Trade of the Republic of Indonesia, Number 75, Year 2014, regarding The Second Amendment of Minister of Trade, Number 44, Year 2009, Regarding Provision, Distribution, and Control of Hazardous Substances: Usable hazardous and toxic material, [Acetic acid, CAS No. 64-19-7].

Air Pollution Control Law (Japan): Harmful substance, [Copper sulfate (copper compounds), CAS No. 7758-98-7].

Chemical Substances Control Law (Japan): Priority Assessment, [106, Propylene glycol, CAS No. 57-55-6].

Industrial Safety and Health Act, Dangerous Substances (Japan): Labeling/Notification required, [Propionic acid, CAS No. 79-09-4], [Sodium hydroxide, CAS No. 1310-73-2], [Ammonium hydroxide (ammonium compounds), CAS No. 1336-21-6], [Copper sulfate (copper compounds), CAS No. 7758-98-7].

Poisonous and Deleterious Substances Act (Japan): Deleterious substance, [Sodium hydroxide, CAS No. 1310-73-2], [Ammonium hydroxide (ammonium compounds), CAS No. 1336-21-6], [Copper sulfate (copper compounds), CAS No. 7758-98-7].

Soil Contamination Countermeasures Act (Japan): This material contains no reportable components.

Water Pollution Control Law (Japan): Designated substance, [Sodium hydroxide, CAS No. 1310-73-2], [Ammonium hydroxide (ammonium compounds), CAS No. 1336-21-6], [Copper sulfate (copper compounds), CAS No. 7758-98-7].

Chemical Substances Subject to Permission (Korea): Toxic substance, [97-1-136, Sodium hydroxide, CAS No. 1310-73-2].

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): Schedule I exposure standard, [Propionic acid, CAS No. 79-09-4], Schedule I exposure standard, CLASS regulation, [Sodium hydroxide, CAS No. 1310-73-2], [Acetic acid, CAS No. 64-19-7].

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

Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): [1/4, Ammonium hydroxide (ammonium compounds), CAS No. 1336-21-6].

Hazardous Substances Act (Thailand): Type 1, [Sodium hydroxide, CAS No. 1310-73-2].

Law on Chemicals (Vietnam): Decree 113/2017/ND-CP: List of chemicals subject to compulsory declaration, Decree 113/2017/ND-CP: List of chemicals subject to conditional industrial production and trading, [Propionic acid, CAS No. 79-09-4], [Sodium hydroxide, CAS No. 1310-73-2], [Acetic acid, CAS No. 64-19-7].

--Australia and New Zealand--.

Australian Dangerous Goods Code: Class 8.

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: Propionic acid, Sodium hydroxide.

New Jersey Worker and Community Right to Know Act: Propionic acid, Sodium hydroxide, Propylene glycol, Copper sulfate (copper compounds).

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Pennsylvania Right to Know Law: Propanoic acid, Sodium hydroxide, 1,2-Propanediol.
Rhode Island Right-to-Know General Law: Propionic acid, Sodium hydroxide, Propylene glycol.

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 - Manufactured By:. 2 - Other hazards. 2 - 2.1. Classification of the substance or mixture. 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 2 - Precautionary Statement: Storage. 2 - Precautionary Statement: Disposal. 2 - Further information. 5 - 5.2. Special hazards arising from the substance or mixture. 5 - 5.3. Advice for firefighters. 7 - Further information. 8 - Further information. 9 - 9.1. Information on basic physical and chemical properties (Odour). 9 - 9.1. Information on basic physical and chemical properties (Explosive properties). 9 - 9.2. Other information (Gas group). 9 - 9.2. Other information (Benzene Content). 9 - 9.2. Other information (Product Subcategory). 9 - 9.2. Other information (Lead content). 10 - 10.4. Conditions to avoid. 10 - 10.5. Incompatible materials. 12 - 12.6. Other adverse effects. 14 - ADR. 14 - IMDG / GGVSee. 14 - IATA / ICAO / DGR. 15 - Labelling. 15 - Hazard Statement. 15 - Safety phrases. 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).</p> <p>CAS No.: Chemical Abstracts Service.</p> <p>CLASS: Classification, Labelling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia).</p> <p>FIFRA: U.S. Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>GHS: Globally Harmonized System.</p> <p>HCS 2012: U.S. Hazard Communication Standard (2012 revision).</p> <p>IATA: International Air Transport Association.</p> <p>ICAO: International Civil Aviation Organisation.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>LD: Lethal dose.</p> <p>OEL: Occupational exposure limit.</p> <p>OSHA: U.S. Occupational Safety and Health Administration.</p> |

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Other information

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|--|---|
| | <p>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 Corr. 1A: H314 - Causes severe skin burns and eye damage. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation. Aquatic Acute 1: H400 - Very toxic to aquatic life. Acute Tox. 4: H302 - Harmful if swallowed. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. Flam. Liq. 3: H226 - Flammable liquid and vapour. Eye Dam. 1: H318 - Causes serious eye damage. STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure . Aquatic Acute 3: H402 - Harmful to aquatic life.</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> |
|--|--|