

This is a kit that contains the following components: DURAL 100 CLASS F PART A (6.75:2.81) DURAL 100 CLASS F PART B (6.75:2.81)



Version: 2.2 Revision Date: 09/18/2023

SAFETY DATA SHEET

1. Identification

Product identifier: DURAL 100 CLASS F PART A (6.75:2.81) Product Code: TD63123

Recommended use and restriction on use

Recommended use: Sealant Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

EUCLID CHEMICAL COMPANY 19218 REDWOOD ROAD CLEVELAND OH 44110 US

Contact person: Telephone: Emergency telephone number:

EH&S Department 216-531-9222 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

| Serious Eye Damage/Eye Irritation | Category 2B |
|-----------------------------------|-------------|
| Skin sensitizer | Category 1 |
| Carcinogenicity | Category 1A |

Unknown toxicity - Health

| Acute toxicity, oral | 23.16 % |
|-----------------------------------|---------|
| Acute toxicity, dermal | 25.55 % |
| Acute toxicity, inhalation, vapor | 100 % |
| Acute toxicity, inhalation, dust | 99.67 % |
| or mist | |

Label Elements

Hazard Symbol:





| Signal Word: | Danger |
|---|---|
| Hazard Statement: | Causes eye irritation. May cause an allergic skin reaction. May cause cancer. |
| Precautionary Statements | |
| Prevention: | Wash thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/ protective clothing/ eye protection/ face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. |
| Response: | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention. Specific treatment (see on this label). Wash contaminated clothing before reuse. |
| Storage: | Store locked up. |
| Disposal: | Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. |
| Hazard(s) not otherwise classified (HNOC): | None. |

3. Composition/information on ingredients

Mixtures

| Chemical Identity | CAS number | Content in percent (%)* |
|--|--------------|-------------------------|
| Bisphenol A Polyglycidyl Ether Resin | 25068-38-6 | 50 - <100% |
| Calcium carbonate | 471-34-1 | 10 - <20% |
| Crystalline Silica (Quartz)/ Silica Sand | 14808-60-7 | 5 - <10% |
| Titanium dioxide | 13463-67-7 | 1 - <5% |
| Trade Secret | Trade Secret | 0.1 - <1% |
| Aluminum oxide | 1344-28-1 | 0.1 - <1% |
| Magnesite | 546-93-0 | 0.1 - <1% |

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Description of necessary first-aid measures

Inhalation:

Move to fresh air.



| Skin Contact: | If skin irritation occurs: Get medical advice/attention. Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty |
|---|--|
| | of water. If skin irritation or an allergic skin reaction develops, get medical attention. |
| Eye contact: | Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention. |
| Ingestion: | Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. |
| Personal Protection for First- aid Responders: | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| Most important symptoms/effe | cts, acute and delayed |
| Symptoms: | May cause skin and eye irritation. |
| Hazards: | No data available. |
| Indication of immediate medica | I attention and special treatment needed |
| Treatment: | Symptoms may be delayed. |
| 5. Fire-fighting measures | |
| General Fire Hazards: | No unusual fire or explosion hazards noted. |
| Suitable (and unsuitable) exting | guishing media |
| Suitable extinguishing media: | Use fire-extinguishing media appropriate for surrounding materials. |
| | |
| Unsuitable extinguishing media: | Do not use water jet as an extinguisher, as this will spread the fire. |
| | Do not use water jet as an extinguisher, as this will spread the fire. During fire, gases hazardous to health may be formed. |
| media: Specific hazards arising from the chemical: | |
| media: Specific hazards arising from the chemical: | During fire, gases hazardous to health may be formed. |
| media: Specific hazards arising from the chemical: Special protective equipment a Special fire-fighting | During fire, gases hazardous to health may be formed. and precautions for fire-fighters No data available. |

6. Accidental release measures



| Personal precautions, protective equipment and emergency procedures: | See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away. |
|--|---|
| Accidental release measures: | In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. |
| Methods and material for containment and cleaning up: | Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. |
| Environmental Precautions: | Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. |
| 7. Handling and storage | |
| Handling | |
| Technical measures (e.g. Local and general ventilation): | Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required. |
| Safe handling advice: | Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with eyes. Wash hands thoroughly after bandling. Avoid contact with eyes, skin, and clothing Provide adequate |

| Technical measures (e.g. Local and general ventilation): | Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required. |
|--|---|
| Safe handling advice: | Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with eyes. Wash hands thoroughly after handling. Avoid contact with eyes, skin, and clothing.Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. |
| Contact avoidance measures: | No data available. |
| Hygiene measures: | Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin. |
| Storage | |
| Safe storage conditions: | Store locked up. |
| Safe packaging materials: | No data available. |

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

| Chemical Identity | Туре | Exposure Limit Values | Source |
|--|------|---------------------------------|---|
| Calcium carbonate - Total dust. | PEL | 15 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (01 2017) |
| Calcium carbonate - Respirable fraction. | TWA | 5 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (09 2016) |
| Calcium carbonate - Inhalable particles. | TWA | 10 mg/m3 | US. ACGIH Threshold Limit Values, as amended (01 2021) |
| Calcium carbonate - Respirable particles. | TWA | 3 mg/m3 | US. ACGIH Threshold Limit Values, as amended (01 2021) |
| Calcium carbonate - Respirable fraction. | TWA | 15 millions of particles per | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (09 2016) |



| | | cubic foot of | |
|---|--------------|---|--|
| | | air | |
| Calcium carbonate - Total dust. | TWA | 15 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (09 2016) |
| | TWA | 50 millions of particles per | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (09 2016) |
| | | cubic foot of air | |
| Calcium carbonate - | PEL | 5 mg/m3 | US. OSHA Table Z-1 Limits for Air |
| Respirable fraction. | | | Contaminants (29 CFR 1910.1000), as amended (01 2017) |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable dust. | TWA | 0.05 mg/m3 | US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended (03 2016) |
| | OSHA_AC T | 0.025 mg/m3 | US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended (03 2016) |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable dust. | PEL | 0.05 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016) |
| Crystalline Silica (Quartz)/ | TWA | 2.4 millions | US. OSHA Table Z-3 (29 CFR 1910.1000), as |
| Silica Sand - Respirable. | | of particles per cubic foot of air | amended (2000) |
| | TWA | 0.1 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (2000) |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable fraction. | TWA | 0.025 mg/m3 | US. ACGIH Threshold Limit Values, as amended (02 2020) |
| Titanium dioxide - Total dust. | PEL | 15 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006) |
| Titanium dioxide - Respirable | TWA | 15 millions of | US. OSHA Table Z-3 (29 CFR 1910.1000), as |
| fraction. | | particles per cubic foot of air | amended (03 2016) |
| Titanium dioxide - Total dust. | TWA | 15 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| Titanium dioxide - Respirable fraction. | TWA | 5 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| Titanium dioxide - Total dust. | TWA | 50 millions of | US. OSHA Table Z-3 (29 CFR 1910.1000), as |
| | | particles per cubic foot of | amended (03 2016) |
| Titanium dioxide - Respirable finescale particles | TWA | air 2.5 mg/m3 | US. ACGIH Threshold Limit Values, as amended (01 2022) |
| Titanium dioxide - Respirable nanoscale particles | TWA | 0.2 mg/m3 | US. ACGIH Threshold Limit Values, as amended (01 2022) |
| Trade Secret - Inhalable particles. | TWA | 10 mg/m3 | US. ACGIH Threshold Limit Values, as amended (03 2015) |
| Trade Secret - Respirable particles. | TWA | 3 mg/m3 | US. ACGIH Threshold Limit Values, as amended (03 2015) |
| Trade Secret - Respirable fraction. | PEL | 5 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006) |
| Trade Secret - Total dust. | PEL | 15 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006) |
| | TWA | 15 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (2000) |
| | TWA | 50 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (2000) |
| Trade Secret - Respirable | TWA | 5 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (2000) |
| fraction. | | | |



| | | cubic foot of | |
|--|-----|---|---|
| Aluminum oxide - Respirable fraction. | TWA | air 1 mg/m3 | US. ACGIH Threshold Limit Values, as amended (2011) |
| | PEL | 5 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006) |
| Aluminum oxide - Total dust. | PEL | 15 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006) |
| | TWA | 50 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| Aluminum oxide - Respirable fraction. | TWA | 15 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| | TWA | 5 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| Aluminum oxide - Total dust. | TWA | 15 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| Aluminum oxide - Inhalable particles. | TWA | 10 mg/m3 | US. ACGIH Threshold Limit Values, as amended (01 2021) |
| Aluminum oxide - Respirable particles. | TWA | 3 mg/m3 | US. ACGIH Threshold Limit Values, as amended (01 2021) |
| Magnesite - Total dust. | PEL | 15 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006) |
| Magnesite - Respirable fraction. | PEL | 5 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006) |
| Magnesite - Total dust. | TWA | 15 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (09 2016) |
| Magnesite - Respirable particles. | TWA | 3 mg/m3 | US. ACGIH Threshold Limit Values, as amended (01 2021) |
| Magnesite - Total dust. | TWA | 50 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (09 2016) |
| Magnesite - Inhalable particles. | TWA | 10 mg/m3 | US. ACGIH Threshold Limit Values, as amended (01 2021) |
| Magnesite - Respirable fraction. | TWA | 15 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (09 2016) |
| | TWA | 5 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (09 2016) |



| Chemical name | Туре | Exposure Limit Values | Source |
|---|------|-----------------------|--|
| Calcium carbonate - Total dust. | TWA | 10 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Calcium carbonate - Respirable fraction. | TWA | 3 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (01 2020) |
| Calcium carbonate - Total dust. | TWA | 10 mg/m3 | Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended (06 2020) |
| Calcium carbonate - Respirable fraction. | TWA | 3 mg/m3 | Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended (06 2020) |
| Calcium carbonate - Respirable particles. | TWA | 3 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (01 2020) |
| Calcium carbonate - Inhalable particles. | TWA | 10 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (01 2020) |
| Calcium carbonate - Inhalable fraction. | TWA | 10 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (01 2020) |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable fraction. | TWA | 0.10 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015) |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable dust. | TWA | 0.1 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| | TWA | 0.05 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (04 2022) |
| Titanium dioxide - Total dust. | TWA | 10 mg/m3 | Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended (07 2007) |
| Titanium dioxide - Respirable fraction. | TWA | 3 mg/m3 | Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended (07 2007) |
| Titanium dioxide | TWA | 10 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| Titanium dioxide - Total dust. | TWA | 10 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |

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Appropriate Engineering
Controls
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Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

Eye/face protection:Wear safety glasses with side shields (or goggles).Skin ProtectionAdditional Information: Use suitable protective gloves if risk of skin contact.



| Skin and Body Protection: | Wear suitable protective clothing. Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information. |
|---------------------------|--|
| Respiratory Protection: | In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor. |
| Hygiene measures: | Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin. |

9. Physical and chemical properties

| Appearance | |
|--|---|
| Physical state: | liquid |
| Form: | liquid |
| Color: | White |
| Odor: | Mild |
| Odor threshold: | No data available. |
| pH: | No data available. |
| Melting point/freezing point: | No data available. |
| Initial boiling point and boiling range: | No data available. |
| Flash Point: | > 93 °C > 200 °F(Setaflash Closed Cup) |
| Evaporation rate: | Slower than Ether |
| Flammability (solid, gas): | No |
| Upper/lower limit on flammability or explosive | ve limits |
| Flammability limit - upper (%): | No data available. |
| Flammability limit - lower (%): | No data available. |
| Explosive limit - upper: | No data available. |
| Explosive limit - lower: | No data available. |
| Vapor pressure: | No data available. |
| Vapor density: | Vapors are heavier than air and may travel along the floor and in the bottom of containers. |
| Relative density: | 1.295 |
| Solubility(ies) | |
| Solubility in water: | Insoluble in water |
| Solubility (other): | No data available. |
| Partition coefficient (n-octanol/water): | No data available. |
| Auto-ignition temperature: | No data available. |
| Decomposition temperature: | No data available. |
| Viscosity: | No data available. |
| | |

10. Stability and reactivity

Reactivity:

No data available.



| Chemical Stability: | Material is stable under normal conditions. |
|--|---|
| Possibility of hazardous reactions: | No data available. |
| Conditions to avoid: | Avoid heat or contamination. |
| Incompatible Materials: | No data available. |
| Hazardous Decomposition Products: | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. |

11. Toxicological information

| Information on likely routes of exposure | |
|--|--|
| Inhalation: | In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes. |
| Skin Contact: | May be harmful in contact with skin. Causes mild skin irritation. May cause an allergic skin reaction. |
| Eye contact: | Causes eye irritation. |
| Ingestion: | May be ingested by accident. Ingestion may cause irritation and malaise. |
| Symptoms related to the physical, chemical and toxicological characteristics | |
| Inhalation: | No data available. |
| Skin Contact: | No data available. |
| Eye contact: | No data available. |
| Ingestion: | No data available. |
| Information on toxicological effects | |
| Acute toxicity (list all possible routes of exposure) | |
| Oral | |

Oral Product:

Not classified for acute toxicity based on available data.



| Specified substance(s): Bisphenol A Polyglycidyl Ether Resin | LD 50 (Rat): > 2,000 mg/kg |
|---|--|
| Calcium carbonate | LD 50 (Rat): > 2,000 mg/kg |
| Crystalline Silica (Quartz)/ Silica Sand | LD 50: > 2,000 mg/kg |
| Titanium dioxide | LD 50 (Rat): > 5,000 mg/kg |
| Trade Secret | LD 50 (Rat): 5,001 mg/kg |
| Aluminum oxide | LD 50 (Rat): > 15,900 mg/kg |
| Magnesite | LD 50 (Rat): > 2,000 mg/kg |
| Dermal Product: | ATEmix: 3,665.15 mg/kg |
| Inhalation Product: | Not classified for acute toxicity based on available data. |
| Specified substance(s): Bisphenol A Polyglycidyl Ether Resin | LC 50: > 20 mg/l LC 50: > 5 mg/l |
| Calcium carbonate | LC 50 (Rat): > 3 mg/l |
| Crystalline Silica (Quartz)/ Silica Sand | LC 50: > 5.0 mg/l |
| Titanium dioxide | LC 50 (Rat): 3.43 mg/l |
| Trade Secret | LC 50 (Rabbit): 20.1 mg/l |
| Aluminum oxide | LC 50 (Rat): 7.6 mg/l |
| | |
| Repeated dose toxicity Product: | No data available |

No data available.



| Product: | No data available. |
|--|--|
| Specified substance(s): Bisphenol A Polyglycidyl Ether Resin | in vivo (Rabbit): Moderately irritating , 24 h |
| Calcium carbonate | in vivo (Rabbit): Not irritant , 24 - 72 h |
| Titanium dioxide | in vivo (Rabbit): Not irritant , 24 h |
| Aluminum oxide | in vivo (Rabbit): Not irritant , 24 - 72 h |
| Magnesite | In vitro (Human, in vitro reconstituted epidermis model): not corrosive , 60 min |
| Serious Eye Damage/Eye Irritation Product: No data available. | |

| Rabbit, 24 - 72 h: Not irritant |
|--|
| Rabbit, 24 - 72 h: Not irritant |
| Rabbit, 24 - 72 h: Not irritant |
| Reconstituted Corneal Epithelium model, 10 min: Not irritant |
| |

Respiratory or Skin Sensitization Product:

No data available.

Carcinogenicity Product:

No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

| Crystalline Silica (Quartz)/ Silica Sand | Overall evaluation: Carcinogenic to humans. |
|--|--|
| Titanium dioxide | Overall evaluation: Possibly carcinogenic to humans. |

US. National Toxicology Program (NTP) Report on Carcinogens:

Crystalline Silica Known To Be Human Carcinogen. (Quartz)/ Silica Sand

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended: No carcinogenic components identified



Germ Cell Mutagenicity

| In vitro Product: | No data available. |
|--|--|
| In vivo Product: | No data available. |
| Reproductive toxicity Product: | No data available. |
| Specific Target Organ Toxicity Product: | / - Single Exposure No data available. |
| Specific Target Organ Toxicity Product: | / - Repeated Exposure No data available. |
| Aspiration Hazard Product: | No data available. |
| Other effects: | Constituents of this product may include crystalline silica which, if in inhalable form, may cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a known human carcinogen. Constituents may also contain asbestiform or non-asbestiform tremolite or other silicates as impurities, and above de minimis exposure to these impurities in inhalable form may be carcinogenic |

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

| Fish Product: | No data available. |
|--|--|
| Specified substance(s): Bisphenol A Polyglycidyl Ether Resin | LC 50 (Oncorhynchus mykiss, 96 h): 1.5 mg/l Experimental result, Key study |
| Titanium dioxide | LC 50 (Pimephales promelas, 96 h): 8.2 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study |

or cause other serious lung problems.



| Aluminum oxide | LC 50 (Pimephales promelas, 96 h): 1.16 mg/l Experimental result, Weight of Evidence study | |
|---|--|--|
| Magnesite | LC 50 (Pimephales promelas, 96 h): 2,120 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study | |
| Aquatic Invertebrates Product: | No data available. | |
| Specified substance(s): Bisphenol A Polyglycidyl Ether Resin | EC 50 (Daphnia magna, 48 h): 1.1 mg/l experimental result Experimental result, Key study | |
| Titanium dioxide | LC 50 (Daphnia magna, 48 h): > 100 mg/l experimental result Experimental result, Weight of Evidence study | |
| Aluminum oxide | EC 50 (Ceriodaphnia dubia, 48 h): 1.5 mg/l experimental result Experimental result, Weight of Evidence study | |
| Magnesite | LC 50 (Daphnia magna, 48 h): 140 mg/l read-across from supporting substance (structural analogue or surrogate) Read-across from supporting substance (structural analogue or surrogate), Key study | |
| Chronic hazards to the aquatic environment: | | |
| Fish Product: | No data available. | |
| Aquatic Invertebrates Product: | No data available. | |
| Specified substance(s): Bisphenol A Polyglycidyl Ether Resin | NOAEL (Daphnia magna): 0.3 mg/l experimental result Experimental result, Key study | |

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| Fish Product: | No data available. |
|--|--|
| Aquatic Invertebrates Product: | No data available. |
| Specified substance(s): Bisphenol A Polyglycidyl Ether Resin | NOAEL (Daphnia magna): 0.3 mg/l experimental result Experimental result, Key study |
| Titanium dioxide | NOAEL (Daphnia magna): 100 mg/l experimental result Experimental result, Supporting study |
| Aluminum oxide | NOAEL (Daphnia magna): 1.89 mg/l experimental result Experimental result, Weight of Evidence study |
| Toxicity to Aquatic Plants Product: | No data available. |
| Persistence and Degradability | |
| Biodegradation Product: | No data available. |
| Specified substance(s): Bisphenol A Polyglycidyl Ether Resin | 82 % Detected in water. Experimental result, Key study |
| BOD/COD Ratio | |



| Product: | No data available. |
|---|---|
| Bioaccumulative potential Bioconcentration Factor (BC Product: | CF) No data available. |
| Specified substance(s): Bisphenol A Polyglycidyl Ether Resin | Bioconcentration Factor (BCF): 31 Aquatic sediment QSAR, Key study |
| Partition Coefficient n-octanol / v Product: | vater (log Kow) No data available. |
| Specified substance(s): Bisphenol A Polyglycidyl Ether Resin | Log Kow: 2.64 - 3.78 25 °C Yes Experimental result, Key study |
| Mobility in soil: | No data available. |
| Other adverse effects: | No data available. |
| 13. Disposal considerations | |
| Disposal methods: | Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. |
| Contaminated Packaging: | No data available. |

14. Transport information

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)



US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

| Chemical Identity | Reportable quantity |
|-------------------|----------------------------|
| Methanol | 5000 lbs. |

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting

Chemical Identity % by weight

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

For more information go to www.P65Warnings.ca.gov.

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol Not applicable

VOC: When appropriately mixed with the other part, product has a VOC less water and exempt solvent of: 0 g/l



| Regulatory VOC (less water and exempt solvent) | : | 0 g/l |
|---|---|--------|
| VOC Method 310 | : | 0.00 % |



| Inventory Status: Australia AICS: | All components in this product are listed on or exempt from the Inventory. |
|--|--|
| EC Inventory: | One or more components in this product are not listed on or exempt from the Inventory. |
| Japan (ENCS) List: | One or more components in this product are not listed on or exempt from the Inventory. |
| China Inv. Existing Chemical Substances: | All components in this product are listed on or exempt from the Inventory. |
| Korea Existing Chemicals Inv. (KECI): | All components in this product are listed on or exempt from the Inventory. |
| Canada NDSL Inventory: | One or more components in this product are not listed on or exempt from the Inventory. |
| Philippines PICCS: | All components in this product are listed on or exempt from the Inventory. |
| New Zealand Inventory of Chemicals: | All components in this product are listed on or exempt from the Inventory. |
| Japan ISHL Listing: | One or more components in this product are not listed on or exempt from the Inventory. |
| Japan Pharmacopoeia Listing: | One or more components in this product are not listed on or exempt from the Inventory. |
| Canada DSL Inventory List: | All components in this product are listed on or exempt from the Inventory. |
| US TSCA Inventory: | All components in this product are listed on or exempt from the Inventory. |



16.Other information, including date of preparation or last revision

| Revision Date: | 09/18/2023 |
|----------------------|---|
| Version #: | 2.2 |
| Further Information: | No data available. |
| Disclaimer: | For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition. |



Version: 2.2 Revision Date: 09/18/2023

SAFETY DATA SHEET

1. Identification

Product identifier: DURAL 100 CLASS F PART B (6.75:2.81) Product Code: TD63123

Recommended use and restriction on use

Recommended use: Curative Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

EUCLID CHEMICAL COMPANY 19218 REDWOOD ROAD CLEVELAND OH 44110 US

Contact person: Telephone: Emergency telephone number:

EH&S Department 216-531-9222 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

| Skin sensitizer | Category 1 |
|-----------------|-------------|
| Carcinogenicity | Category 1A |

Unknown toxicity - Health

| Acute toxicity, oral | 95.89 % |
|--|---------|
| Acute toxicity, dermal | 96.45 % |
| Acute toxicity, inhalation, vapor | 100 % |
| Acute toxicity, inhalation, dust or mist | 99.92 % |

Label Elements

Hazard Symbol:



Signal Word:

Danger



| Hazard Statement: | May cause an allergic skin reaction. May cause cancer. |
|-----------------------------|--|
| Precautionary Statements | |
| Prevention: | Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/ protective clothing/ eye protection/ face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. |
| Response: | IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention. Specific treatment (see on this label). Wash contaminated clothing before reuse. |
| Storage: | Store locked up. |
| Disposal: | Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. |
| l(s) not otherwise | None. |

Hazard(s) not other classified (HNOC):

3. Composition/information on ingredients

Mixtures

| Chemical Identity | CAS number | Content in percent (%)* |
|---|------------|-------------------------|
| Triethylenetetramine | 112-24-3 | 10 - <20% |
| Crystalline Silica (Quartz)/ Silica Sand | 14808-60-7 | 5 - <10% |
| Polyethylene | 9002-88-4 | 1 - <5% |
| * All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. | | |

All concentrations are percent by weight unless ingredient is a ga

4. First-aid measures Description of necessary first-aid measures

| Inhalation: | Move to fresh air. | |
|---|---|------|
| Skin Contact: | Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention. | |
| Eye contact: | Rinse immediately with plenty of water. | |
| Ingestion: | Rinse mouth thoroughly. | |
| Personal Protection for First- aid Responders: | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. | |
| | | 21/3 |



Most important symptoms/effects, acute and delayed

| Symptoms: | May cause skin and eye irritation. | |
|--|---|--|
| Hazards: | No data available. | |
| Indication of immediate medical | attention and special treatment needed | |
| Treatment: | Symptoms may be delayed. | |
| 5. Fire-fighting measures | | |
| General Fire Hazards: | No unusual fire or explosion hazards noted. | |
| Suitable (and unsuitable) extinguishing media | | |
| Suitable extinguishing media: | Use fire-extinguishing media appropriate for surrounding materials. | |
| Unsuitable extinguishing media: | Do not use water jet as an extinguisher, as this will spread the fire. | |
| Specific hazards arising from the chemical: | During fire, gases hazardous to health may be formed. | |
| Special protective equipment and precautions for fire-fighters | | |
| Special fire-fighting procedures: | No data available. | |
| Special protective equipment for fire-fighters: | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. | |
| 6. Accidental release measure | es | |

| Personal precautions, protective equipment and emergency procedures: | See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away. |
|--|---|
| Accidental release measures: | In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. |
| Methods and material for containment and cleaning up: | Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. |
| Environmental Precautions: | Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages. |



| 7. Handling and storage | |
|--|---|
| Handling | |
| Technical measures (e.g. Local and general ventilation): | Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required. |
| Safe handling advice: | Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling.Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. |
| Contact avoidance measures: | No data available. |
| Hygiene measures: | Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin. |
| Storage | |
| Safe storage conditions: | Store locked up. |
| Safe packaging materials: | No data available. |

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

| Chemical Identity | Туре | Exposure Limit Values | Source |
|---|--------------|--|--|
| Crystalline Silica (Quartz)/ Silica Sand - Respirable dust. | TWA | 0.05 mg/m3 | US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended (03 2016) |
| | OSHA_AC T | 0.025 mg/m3 | US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended (03 2016) |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable dust. | PEL | 0.05 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016) |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable. | TWA | 2.4 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (2000) |
| | TWA | 0.1 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (2000) |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable fraction. | TWA | 0.025 mg/m3 | US. ACGIH Threshold Limit Values, as amended (02 2020) |
| Polyethylene - Inhalable particles. | TWA | 10 mg/m3 | US. ACGIH Threshold Limit Values, as amended (03 2015) |
| Polyethylene - Respirable particles. | TWA | 3 mg/m3 | US. ACGIH Threshold Limit Values, as amended (03 2015) |
| Polyethylene - Respirable fraction. | PEL | 5 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006) |
| Polyethylene - Total dust. | PEL | 15 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006) |
| | TWA | 15 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as |



| | | | amended (2000) |
|--|-----|---|--|
| | TWA | 50 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (2000) |
| Polyethylene - Respirable fraction. | TWA | 5 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (2000) |
| | TWA | 15 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (2000) |

| Chemical name | Туре | Exposure Limit Values | Source |
|---|------|-----------------------|--|
| Triethylenetetramine | TWA | 0.5 ppm 3 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable fraction. | TWA | 0.10 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015) |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable dust. | TWA | 0.1 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| | TWA | 0.05 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (04 2022) |
| Polyethylene - Respirable fraction. | TWA | 3 mg/m3 | Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended (05 2013) |
| Polyethylene - Total dust. | TWA | 10 mg/m3 | Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended (05 2013) |
| Polyethylene - Inhalable fraction. | TWA | 10 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015) |
| Polyethylene - Respirable fraction. | TWA | 3 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015) |
| Polyethylene - Total dust. | TWA | 10 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Polyethylene - Respirable fraction. | TWA | 3 mg/m3 | Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended (06 2020) |
| Polyethylene - Total dust. | TWA | 10 mg/m3 | Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended (06 2020) |

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

| Eye/face protection: | Wear goggles/face shield. |
|----------------------|---|
| Skin Protection | |
| Hand Protection: | Additional Information: Use suitable protective gloves if risk of skin contact. |



9. Physical and chemical properties

| Skin and Body Protection: | Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information. |
|---------------------------|---|
| Respiratory Protection: | In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor. |
| Hygiene measures: | Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin. |

| Appearance | |
|--|---|
| Physical state: | liquid |
| Form: | liquid |
| Color: | Black |
| Odor: | Mild pungent |
| Odor threshold: | No data available. |
| pH: | No data available. |
| Melting point/freezing point: | No data available. |
| Initial boiling point and boiling range: | No data available. |
| Flash Point: | > 93 °C > 200 °F(Setaflash Closed Cup) |
| Evaporation rate: | Slower than Ether |
| Flammability (solid, gas): | No |
| Upper/lower limit on flammability or explose | sive limits |
| Flammability limit - upper (%): | No data available. |
| Flammability limit - lower (%): | No data available. |
| Explosive limit - upper: | No data available. |
| Explosive limit - lower: | No data available. |
| Vapor pressure: | No data available. |
| Vapor density: | Vapors are heavier than air and may travel along the floor and in the bottom of containers. |
| Relative density: | 1.039 |
| Solubility(ies) | |
| Solubility in water: | Insoluble in water |
| Solubility (other): | No data available. |
| Partition coefficient (n-octanol/water): | No data available. |
| Auto-ignition temperature: | No data available. |
| Decomposition temperature: | No data available. |
| Viscosity: | No data available. |
| | |

10. Stability and reactivity

Reactivity:

No data available.



| Chemical Stability: | Material is stable under normal conditions. |
|--|---|
| Possibility of hazardous reactions: | No data available. |
| Conditions to avoid: | Avoid heat or contamination. |
| Incompatible Materials: | Strong acids. |
| Hazardous Decomposition Products: | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. |

11. Toxicological information

| Information on likely routes of | f exposure |
|---------------------------------|------------|
| Inhalation: | In high co |

| Inhalation: | In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes. |
|---------------|---|
| Skin Contact: | May cause an allergic skin reaction. |
| Eye contact: | Eye contact is possible and should be avoided. |
| Ingestion: | May be ingested by accident. Ingestion may cause irritation and malaise. |

Symptoms related to the physical, chemical and toxicological characteristics

| Inhalation: | No data available. |
|---------------|--------------------|
| Skin Contact: | No data available. |
| Eye contact: | No data available. |
| Ingestion: | No data available. |

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

| Oral Product: | Not classified for acute toxicity based on available data. |
|---|--|
| Specified substance(s): Crystalline Silica (Quartz)/ Silica Sand | LD 50: > 2,000 mg/kg |
| Polyethylene | LD 50 (Rat): 5,001 mg/kg |
| Dermal Product: | Not classified for acute toxicity based on available data. |
| Specified substance(s): Polyethylene | LD 50 (Rabbit): 5,001 mg/kg |



| Inhalation Product: | Not classified for acute toxicity based on available data. | |
|--|--|--|
| Specified substance(s): Crystalline Silica (Quartz)/ Silica Sand | LC 50: > 5.0 mg/l | |
| Polyethylene | LC 50 (Rabbit): 20.1 mg/l | |
| Repeated dose toxicity Product: | No data available. | |
| Skin Corrosion/Irritation Product: | No data available. | |
| Serious Eye Damage/Eye Irritation Product: No data available. | | |
| Respiratory or Skin Sensitizatior Product: | No data available. | |
| Carcinogenicity Product: | No data available. | |
| IARC Monographs on the Evalua | tion of Carcinogenic Risks to Humans: | |
| Crystalline Silica (Quartz)/ Silica Sand | Overall evaluation: Carcinogenic to humans. | |
| US. National Toxicology Program (NTP) Report on Carcinogens: Crystalline Silica Known To Be Human Carcinogen. (Quartz)/ Silica Sand | | |
| US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended: No carcinogenic components identified | | |

No carcinogenic components identified



Germ Cell Mutagenicity

| In vitro Product: | No data available. |
|--|--|
| In vivo Product: | No data available. |
| Reproductive toxicity Product: | No data available. |
| Specific Target Organ Toxicity Product: | - Single Exposure No data available. |
| Specific Target Organ Toxicity Product: | - Repeated Exposure No data available. |
| Aspiration Hazard Product: | No data available. |
| Other effects: | Constituents of this product may include crystalline silica which, if in inhalable form, may cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a known human carcinogen. Constituents may also contain asbestiform or non-asbestiform tremolite or other silicates as impurities, and above de minimis exposure to these impurities in inhalable form may be carcinogenic |

12. Ecological information

Ecotoxicity:

| Acute hazards to the aquatic environment: | |
|---|--|
| Fish Product: | No data available. |
| Aquatic Invertebrates Product: | No data available. |
| Specified substance(s): Triethylenetetramine | LC 50 (Water flea (Daphnia magna), 48 h): 33.9 mg/l Intoxication |

or cause other serious lung problems.



Chronic hazards to the aquatic environment:

| Fish Product: | No data available. |
|--|---|
| Aquatic Invertebrates Product: | No data available. |
| Toxicity to Aquatic Plants Product: | No data available. |
| Persistence and Degradability | |
| Biodegradation Product: | No data available. |
| BOD/COD Ratio Product: | No data available. |
| Bioaccumulative potential Bioconcentration Factor (BC Product: | F) No data available. |
| Partition Coefficient n-octanol / w Product: | vater (log Kow) No data available. |
| Mobility in soil: | No data available. |
| Other adverse effects: | No data available. |
| 13. Disposal considerations | |
| Disposal methods: | Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. |
| | |

14. Transport information

Contaminated Packaging:

TDG:

UN2735, AMINES, LIQUID, CORROSIVE, N.O.S. (Triethylenetetramine), 8, PG III

No data available.

CFR / DOT:



UN2735, Amines, liquid, corrosive, n.o.s. (Triethylenetetramine), 8, PG III

IMDG:

UN2735, AMINES, LIQUID, CORROSIVE, N.O.S. (Triethylenetetramine), 8, PG III

Further Information:

The above shipping description may not be accurate for all container sizes and all modes of transportation. Please refer to Bill of Lading.

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended None present or none present in regulated guantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting

Chemical Identity % by weight

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

For more information go to www.P65Warnings.ca.gov.

International regulations



Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol Not applicable

VOC:

| Regulatory VOC (less water and exempt solvent) | | 0 g/l |
|--|---|--------|
| VOC Method 310 | : | 0.00 % |



| Inventory Status: Australia AICS: | All components in this product are listed on or exempt from the Inventory. |
|---|--|
| Canada DSL Inventory List: | All components in this product are listed on or exempt from the Inventory. |
| EC Inventory: | One or more components in this product are not listed on or exempt from the Inventory. |
| Japan (ENCS) List: | One or more components in this product are not listed on or exempt from the Inventory. |
| China Inv. Existing Chemical Substances: | All components in this product are listed on or exempt from the Inventory. |
| Korea Existing Chemicals Inv. (KECI): | All components in this product are listed on or exempt from the Inventory. |
| Canada NDSL Inventory: | One or more components in this product are not listed on or exempt from the Inventory. |
| Philippines PICCS: | All components in this product are listed on or exempt from the Inventory. |
| US TSCA Inventory: | All components in this product are listed on or exempt from the Inventory. |
| New Zealand Inventory of Chemicals: | All components in this product are listed on or exempt from the Inventory. |
| Japan ISHL Listing: | One or more components in this product are not listed on or exempt from the Inventory. |
| Japan Pharmacopoeia Listing: | One or more components in this product are not listed on or exempt from the Inventory. |
| Mexico INSQ: | One or more components in this |



| | product are not listed on or exempt from the Inventory. |
|--------------------------------------|--|
| Ontario Inventory: | One or more components in this product are not listed on or exempt from the Inventory. |
| Taiwan Chemical Substance Inventory: | One or more components in this product are not listed on or exempt from the Inventory. |

16.Other information, including date of preparation or last revision

| Revision Date: | 09/18/2023 |
|----------------------|---|
| Version #: | 2.2 |
| Further Information: | No data available. |
| Disclaimer: | For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition. |