

COLORAMICS ACCESSORY PRODUCTS, CASCADES, AND SNOW GEMS

SAFETY DATA SHEET (SDS)

Version: 01 According to: Regulation (EC) No. 1272/2008

Regulation (EC) No. 1907/2006 Regulation UK SI 2019/758 Regulation UK SI 2020/1577

Section 1 – Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Date of Issue: July 07, 2025

Product Name: Coloramics Accessory Products, Cascades, and Snow Gems

Product Colors: Kiln Wash (AC001), Clay Mender (AC306), Black Cobblestone (SG201), White

Cobblestone (SG202), Snowfall (SG302), Silkscreen Media (SG310), Fired Snow (SY546), Rapid Roll White (SG101), Rapid Roll Black (SG102), Clear Cascade (PC601), White Cascade (PC602), Citrus Snow Gem (SG303), Berry Snow Gem

(SG304), Spearmint Snow Gem (SG305),

Product sizes: 2 fl. oz. (59 mL), 4 fl. oz. (118 mL), 1 pt. (473 mL)

Other Means of Identification

Unique Formula Identifier: See product label None known

Other Means of Identification: None known

Product Description: Liquid formulations intended to be used for arts and crafts purposes.

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

Relevant identified use(s): Use products for their intended purpose as a ceramics specialty products intended for

arts and crafts purposes. The products are applied using a brush, palette knife, or a sponge then placed in a kiln for glaze firing. The products are intended for small batch

use.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Coloramics, LLC

4077 Weaver Court South

Hilliard, OH 43026

EU Contact:

Business Phone: 614-675-1171

Email: info@maycocolors.com

1.4 Emergency telephone number

Emergency Telephone: Contact the local poison control centre.

Section 2 - Hazard(s) Identification

2.1. Classification of the substance or mixture

According to: Regulation (EC) No 1272/2008 [CLP]; Regulation (EC) No 1272/2008 [CLP] as amended by GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

| | Physical | Health | Environment |
|----------------------------------------------------------------|--------------------|--------------------|--------------------|
| Classification according to Regulation (EC) No 1272/2008 [CLP] | Not classified | Not classified | Not classified |
| SCL and/or M-factor | Not applicable | Not applicable | Not applicable |
| Classification Procedure | Weight of evidence | Weight of evidence | Weight of evidence |

2.2. Label elements

Label Pictogram: None required
Signal Word: None required
Hazard statement: None required
Precautionary Statement: None required
Supplemental Hazard Information:

• EUH208: Contains 1,2-benzisothiazolin-3-one (CAS No. 2634-33-5). May produce an allergic reaction.

2.3. Other hazards

- This product is not expected to be endocrine disrupting.
- This product is not expected to meet the criteria for vPvB or PBT in accordance with Regulation (EC) No. 1907/2006, Annex XIII
- No other hazards have been identified for this product.

Section 3 – Composition / Information on Ingredients

3.1 Substances

The product is a mixture and not a substance.

3.2 Mixture

| Chemical Name | CAS No. | EC No. | % Concentration ^a | GHS Hazards ^b |
|--------------------------------|------------|-----------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quartz (crystalline silica) | 14808-60-7 | 238-878-4 | ≤6.9159% | H350: Carcinogenicity (Category 1A) (inhalation); H372: Specific target organ toxicity (repeated exposure, Category 1, lungs) |
| Titanium dioxide | 13463-67-7 | 236-675-5 | ≤0.7280% | H351: Carcinogenicity (Category 2) (Inhalation) |
| Zinc pyrithione | 13463-41-7 | 236-671-3 | ≤0.0145% | H301: Acute oral toxicity (Category 3); H318: Eye damage (Category 1); H330: Acute inhalation toxicity (Category 2); H372: Specific target organ toxicity (repeated exposure, Category 1); H360D: Reproductive toxicity (Category 1B) (May damage the unborn child) H400: Acute aquatic toxicity (Category 1); H410: Chronic aquatic toxicity (Category 1) |

^a Concentrations are calculated as a maximum across all products.

The other ingredients in the product are either considered non-hazardous or are below their respective GHS cut-off values/concentration limits in the final product and were therefore not disclosed in the SDS.

It should be noted that the product may contain quartz (CAS No.14808-60-7) and titanium dioxide (CAS No. 13463-67-7) which may be hazardous when inhaled. Given the nature and physical form of the product (*i.e.*, liquid glaze) airborne respirable particles would not likely be released from the product and therefore the hazard is not relevant to the product.

b GHS classifications are based on classifications in the CLP as well as available toxicology data regarding the individual ingredients.

Assessment of this product was based on the assumption that the glaze will not be sanded after it has been fired in the kiln.

| | Specific Concentration Limit | Multiplying-Factor | Acute Toxicity Estimate |
|--------------------------------------------------------------|---------------------------------|--------------------|----------------------------------------------------|
| Coloramics Accessory Products, Cascades, and Snow Gems | N/A | N/A | >2000 mg/kg (oral/dermal) >20 mg/L (Inhalation) |

Section 4 - First Aid Measures

4.1 Description of first aid measures

Eye contact: No specific first aid measures are required. If irritation occurs, remove contact lenses if present and easy to do – rinse eyes with water. If eye irritation persists: Get medical advice/attention.

Skin contact: No specific first aid measures are required. If irritation occurs, wash with plenty of water and soap. Take off contaminated clothing. If skin irritation persists: Get medical advice/attention.

Inhalation: Inhalation route of exposure is not anticipated with intended use. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Seek medical attention if in doubt.

Ingestion: No specific first aid measures are required. Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if in doubt.

4.2 Most important symptoms and effects, both acute and delayed

Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Not required

Section 5 – Fire Fighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media: Use extinguishing media suitable for surrounding area if material is involved in a fire (e.g., water fog, water spray, foam, dry chemical or carbon dioxide).

Unsuitable Extinguishing Media: None known

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products:

- Irritating vapours or fumes may form if product is involved in fire:
- See also Section 10 Stability and Reactivity.

5.3 Advice for firefighters

• Wear a self-contained breathing apparatus to protect against potentially irritating vapours or fumes.

Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment (PPE) and emergency procedures

Personal Precautions: Ventilate area if spilled in confined space or other poorly ventilated areas. Observe PPE advice in **Section 8 – Exposure Controls/Personal Protection**.

Emergency Procedures: Evacuate personnel to safe areas.

6.2 Environmental precautions

 Prevent entry and contact with soil, drains, sewers, and waterways. Inform relevant local/regional/national/international authorities. Prevent further leakage or spillage if it is safe to do so.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures: Contain spill if safe to do so. Collect spillage. Ventilate contaminated area thoroughly. Dispose of contents/container in accordance with local/regional/national/international regulations.

6.4 Reference to other sections

• Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7- Handling and Storage

7.1 Precautions for safe handling

- Avoid breathing mist/vapour/spray.
- Wash hands thoroughly after handling.
- Wash contaminated clothing before reuse.
- Employees should be trained in the safe use and handling of chemical materials.
- Refer to Section 8 Exposure Controls/Personal Protection.

7.2 Conditions for safe storage, including any incompatibilities

- · Keep container tightly closed to avoid spills.
- Keep in a cool dry place.

7.3 Specific end use(s)

• Refer to Section 1.2 - Relevant identified uses.

Section 8– Exposure Controls / Personal Protection

8.1 Control Parameters:

Occupational exposure limits: Only vapours were considered to be foreseeable under conditions of normal use. Airborne particles, such as dust, are not foreseeable under conditions of normal use.

| Chemical Name | CAS No. | ACGIH TLVs TWA | OSHA PELs TWA | NIOSH RELs TWA | DFG MAK TWA |
|----------------------------------------------------------------------------------|------------|---------------------------|----------------------------|------------------------|---------------------------------------------|
| Silica, crystalline, mixed respirable (quartz, cristobalite, tridymite) | 14808-60-7 | 0.025 mg/m ^{3 a} | 0.05 mg/m ³ | 0.05 mg/m ³ | N/A |
| Titanium dioxide | 13463-67-7 | 10 mg/m ^{3 a} | 2.5 mg/m ^{3 b, c} | N/A | 0.3 mg/m ³ R ^d |
| N/A – Not applicable | | a Respirable pa | rticulate matter | | |
| R – Measured as respirable fractions of the aerosol | | b Finescale par | ticles | | |
| | | | c Total dust | | |
| | | | d Multiplied with | the material density | 1 |

Note: Titanium dioxide (CAS No. 13463-67-7) values listed above are related to non-ultrafine and non-nanoscale or finescale particles.

8.2 Exposure Controls:

Appropriate engineering controls

• No special requirements under ordinary conditions of use and with adequate ventilation. Mechanical ventilation or local exhaust ventilation may be required.

8.3 Personal Protective Equipment

Note: Consider the concentration and amount of product at the workplace when selecting PPE. Use protective equipment as required.

Respiratory:

Under normal conditions of use, a respirator is not usually required. Use appropriate respiratory protection when handling to minimize exposure to vapours. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.

Eyes/Face: If contact is likely, safety glasses with side shields are recommended. An eyewash bottle or

station should be available in the workplace. Wear a face shield if splash or spray is likely.

Hands: Use good industrial hygiene practices to avoid skin contact. If contact with the material may

occur, wear chemically protective gloves.

Body/Skin: Wear chemically impervious gloves, coveralls, apron, boots as necessary to minimize contact.

Do not wear rings, watches or similar apparel that could entrap the material.

Thermal Hazards: None known

Environmental Exposure

Controls: Not available

Hygiene Observe good industrial hygiene practices. Avoid contact with skin. Contaminated work clothing measures:

should not be allowed out of the workplace and should be washed before reuse. When using the

product do not eat, drink or smoke.

Section 9 – Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Note: The data below are typical values and do not constitute a specification.

| Appearance: Physical state: Color: Odor: | Liquid Varies by product None | Partition Coefficient n-octanol/water: Auto-ignition temperature: | Not available Not available |
|------------------------------------------|-------------------------------------|-------------------------------------------------------------------------|--------------------------------|
| pH (as supplied): | 8 - 9 | Decomposition temperature: | Not available |
| Freezing point: | 32°F | Dynamic viscosity: | Not available |
| Boiling point: | 100°F | Molecular weight: | Not available |
| Flash point: | Not available | Taste: | Not available |
| Evaporation rate: | Not available | Explosive properties: | Not available |
| Flammability: | Not available | Oxidizing properties: | Not available |
| Upper/lower explosive limits: | Not available | Surface tension: | Not available |
| Vapor pressure: | Not available | Volatile component: | Not available |
| Water solubility: | Not available | Gas group: | Not available |
| Vapor density (Air = 1): | Not available | pH (as solution): | Not available |
| Specific gravity (Water = 1): | Not available | VOC: | Not available |
| Relative density: | Not available | Particle size range: | Not available |

9.2.1 Information with Regard to Physical Hazard Classes

| Explosives | Not available |
|-----------------------------------------------|---------------|
| Flammable gases | Not available |
| Aerosols | Not available |
| Oxidising gases | Not available |
| Gases under pressure | Not available |
| Flammable liquids | Not available |
| Flammable solids | Not available |
| Self-reactive substances and mixtures | Not available |
| Pyrophoric liquids | Not available |
| Pyrophoric solids | Not available |
| Self-heating substances and mixtures | Not available |
| Substances and mixtures, which emit flammable | Not available |
| gases in contact with water | Not available |
| Oxidising liquids | Not available |
| Oxidizing solids | Not available |
| Organic peroxides | Not available |
| Corrosive to metals | Not available |
| Desensitised explosives | Not available |

9.2.2 Other Safety Characteristics

| Mechanical sensitivity | Not available |
|----------------------------------------------|---------------|
| Self-accelerating polymerisation temperature | Not available |
| Formation of explosible dust/air mixtures | Not available |
| Acid/alkaline reserve; (e) evaporation rate | Not available |
| Miscibility | Not available |
| Conductivity | Not available |
| Corrosiveness | Not available |
| Gas group | Not available |
| Redox potential | Not available |
| Radical formation potential | Not available |
| Photocatalytic properties | Not available |

Section 10 - Stability and Reactivity

10.1 Reactivity

This material is not considered to be reactive under normal handling and storage conditions.

10.2 Chemical stability

• This material is considered stable under normal handling and storage conditions.

10.3 Possibility of hazardous reactions

Not expected to occur under normal handling and storage conditions.

10.4 Conditions to avoid

- Exposure to high temperatures
- Strong acids
- · Strong bases
- Strong oxidisers

10.5 Incompatible materials

- Strong acids
- Strong bases
- · Strong reducing agents
- Strong oxidizing agents

10.6 Hazardous decomposition products

Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other
products of incomplete combustion. Irritating and toxic substances may be emitted upon combustion,
burning, or decomposition of dry solids.

Section 11 - Toxicological Information

11.1. Information on hazard classes:

Likely routes of exposure: Skin/eye contact, inhalation of vapors.

Potential signs and symptoms: None expected under normal conditions of use

Acute oral toxicity: Zinc pyrithione (CAS No. 13463-41-7) has been classified for acute oral toxicity

(Category 3). Product classification is not warranted based on the concentration of zinc pyrithione in the product and given that the product ATE is >2000 mg/kg.

Acute dermal toxicity: The product is practically non-toxic based on available animal and human use

data. The dermal ATE is >2000 mg/kg.

Acute inhalation toxicity: Zinc pyrithione (CAS No. 13463-41-7) has been classified for acute inhalation

> toxicity (Category 2). Product classification is not warranted based on the concentration of zinc pyrithione in the product and given that the product ATE is

>20 mg/L (vapours).

Skin corrosion/irritation: The ingredients in this product >1% are not corrosive to the skin or skin irritants

based on human and/or animal studies.

Serious eye damage/irritation: Zinc pyrithione (CAS No. 13463-41-7) has been classified for eye damage

(Category 1). Product classification is not warranted for eye effects based on the concentration of zinc pyrithione in the product. The other ingredients in this product >1% are not damaging to the eyes or eye irritants based on human

and/or animal studies.

Respiratory or skin sensitization: The ingredients in this product >0.1% are not sensitizing to the skin or

respiratory system based on human and/or animal studies.

The ingredients in this product >0.1% are not mutagenic based on animal Mutagenicity:

studies or no data identified for the components in this product.

Carcinogenicity: Quartz (crystalline silica) (CAS No. 14808-60-7) (airborne, unbound particles of

respirable size) has been classified for carcinogenicity (Category 1). Titanium dioxide (CAS No. 13463-67-7) (airborne, unbound particles of respirable size) has been classified for carcinogenicity (Category 2). Quartz (crystalline silica) (listed as silica dust, crystalline, in the form of quartz or cristobalite) is listed as a

Group 1 carcinogen by IARC. Titanium dioxide is listed as a Group 2B carcinogen by IARC. Crystalline silica [listed as silica, crystalline (respirable size) / silica, crystalline — α-quartz and cristobalite] and titanium dioxide are also listed as carcinogens by NTP and ACGIH. Product classification is not

warranted for carcinogenicity based on a review of available data and the nature/physical form of the product (i.e., liquid glaze). It was assumed that the glaze will not be sanded after it has been fired in the kiln. The other ingredients in the product >0.1% are not carcinogenic based on animal studies or no data

identified for the components in this product.

Reproductive Toxicity: Zinc pyrithione (CAS No. 13463-41-7) has been classified for reproductive

> toxicity (Category 1B; may damage fertility or the unborn child) has been classified for reproductive toxicity (Category 2; suspected of damaging fertility or the unborn child). Product classification is not warranted for this effect given the concentration of zinc pyrithione in the product. The other ingredients in this product >0.1% are not reproductive toxicants based on animal studies, or no

data identified for the components in this product.

Specific target organ toxicity

(single exposure):

The ingredients in this product >1% are not single exposure specific target organ toxicity (single exposure) hazards based on animal studies or no data identified

for the components in this product

Specific target organ toxicity

(repeated exposure):

Quartz (crystalline silica) (CAS No. 14808-60-7) has been classified for specific target organ toxicity (repeated exposure, Category 1; causes damage to lungs through prolonged or repeated exposure via inhalation). Product classification is not warranted for this effect given the nature of the product (i.e., liquid glaze). It was assumed that the glaze will not be sanded after it has been fired in the kiln. Zinc pyrithione (CAS No. 13463 41-7) has been classified for specific target organ toxicity (repeated exposure, Category 1; causes damage to lungs through

prolonged or repeated exposure). Product classification is not warranted for this effect given the concentration of zinc pyrithione in the product. The other ingredients in this product >1% are not repeated exposure specific target organ toxicity hazards based on available information, human and/or animal studies.

Aspiration hazard: The ingredients in this product >1% are not aspiration hazards based on animal

studies or no data identified for the components in this product.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

This product is not expected to be endocrine disrupting.

11.2.2 Information on other hazards

No other hazards to note.

References:

ECHA (European Chemicals Agency). 2025. REACH Registered Substances Database. https://echa.europa.eu/search-forchemicals

IARC (International Agency for Research on Cancer). 2025. Agents Classified by the IARC Monographs, Volumes 1–129. https://monographs.iarc.who.int/list-of-classifications/

NTP (National Toxicology Program). 2021. Report on Carcinogens, Fifteenth Edition.; Research Triangle Park, NC: U.S. Department of Health and Human Services, Public Health Service. https://ntp.niehs.nih.gov/go/roc15
Official Journal of the European Union. 2008. Regulation (EC) No 1272/2008.

http://data.europa.eu/eli/reg/2008/1272/2022-03-01

Section 12 – Ecological Information

12.1 Toxicity

Acute aquatic toxicity categories 2, 3, and 4 are not used for classifying substances according to Regulation (EC) No. 1272/2008 [CLP] and Regulation (EC) No. 1272/2008 [CLP], as amended by GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567. Based on the criteria outlined in the 10th revision of the GHS, the product is classified for acute aquatic toxicity (Category 2).

| Chemical Name | CAS No. | Species | Result |
|------------------------------|---------------------------|----------------------------------------------------------------|--------|
| Zinc pyrithione * 13463-41-7 | Pimephales promelas | LC ₅₀ (96h): 0.0026 mg/L NOEC (96h): 0.011 mg/L | |
| | Daphnia magna | LC ₅₀ (48h): 0.0082 mg/L NOEC (48h): 0.011 mg/L | |
| | Selenastrum capricornutum | EC ₅₀ (120h): 0.028mg/L NOEC (120h): 0.0078 mg/L | |

^{*}According to Regulation (EC) No. 1272/2008 (CLP), M=1000 for acute aquatic effects and M=10 for chronic aquatic effects.

12.2 Persistence and degradability

- Zinc pyrithione (CAS No. 13463-41-7) is not persistent and rapidly degrades in water and the anaerobic sediment layer.
- No data available for the product.

12.3 Bioaccumulative potential

- Zinc pyrithione (CAS No. 13463-41-7) is unlikely to bioaccumulate in aquatic species, either directly or through the food chain. The estimated log K_{ow} is 0.99.
- No data available for the other ingredients in the product.

12.4 Mobility in Soil

- Zinc pyrithione (CAS No. 13463-41-7) is slightly (K_{oc}=784) or very slightly (K_d=2347) mobile in soils and very slightly mobile (K_{oc}=3597-10633) in sediments.
- No data available for the other ingredients in the product.

12.5 Results of PBT and vPvB assessment

The ingredients in this product are not considered PBT or vPvB.

12.6 Endocrine disrupting properties

• No data available for the product.

12.7 Other adverse effects

No further data available.

References:

ECHA (European Chemicals Agency). 2025. REACH Registered Substances Database. https://echa.europa.eu/search-for-chemicals

Section 13 – Disposal Considerations

13.1 Waste treatment methods

Preparing wastes for disposal: Use product for its intended purpose or recycle if possible. Dispose of waste in accordance with local, regional, national, and/or international regulations. The empty container has residues which may exhibit hazards of the product.

Contaminated Packaging: Container packaging may exhibit hazards.

Section 14 – Transport Information

Note: This product is not regulated as dangerous goods for transport.

| 14.1 UN number | Not applicable |
|-------------------------------------------------------------------------------|----------------|
| 14.2 UN proper shipping name | Not applicable |
| 14.3 Transport hazard class(es): | Not applicable |
| 14.4 Packing group | Not applicable |
| 14.5 Environmental hazards | None |
| 14.6 Special precautions for user | None |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable |

Section 15 – Regulatory Information

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

Note: The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in **Section 3 – Composition / Information on Ingredients**.

European Union

Seveso Directive (2012/18/EU): Methanol (CAS No. 67-56-1) is listed in Annex I, Part 2 as a named dangerous substance with a lower tier requirement of 500 tonnes and an upper tier requirement of 5000 tonnes. 2,3,7,8 TCDD (CAS No. 1746-01-6) is listed in Annex I, Part 2 as a named dangerous substance with an upper tier requirement of 0.001 tonnes. No other ingredients in this product are listed.

Regulation (EC) No. 1005/2009, Annex I and II: The ingredients in this product are not listed.

Regulation (EC) No. 649/2012, Annex I, Parts I-III: Cadmium (listed as cadmium and its compounds) is listed in Annex I, Part 1 as a chemical subject to export notification procedure. The other ingredients in this product are not listed.

Regulation (EC) No. 2019/1021, Annex I: The ingredients in this product are not listed.

Germany:

Wassergefährdungsklasse (water hazard class): WGK 3 – Schwach wassergefährdend (severe hazard to waters)

International:

IARC: Quartz (CAS No. 14808-60-7) (listed as silica dust, crystalline, in the form of quartz or cristobalite), 2,3,7,8 TCDD (CAS No. 1746-01-6) (listed as 2,3,7,8-Tetrachlorodibenzo-para-dioxin), arsenic (listed as arsenic and inorganic arsenic compounds), cadmium (listed as cadmium and cadmium compounds), chromium [listed as chromium (VI) compounds], and nickel compounds are listed as Group 1, carcinogenic to humans. Talc (CAS No. 14807-96-6) is listed as Group 2A, probably carcinogenic to humans. Titanium dioxide (CAS No. 13463 67-7) and lead are listed as Group 2B, possibly carcinogenic to humans. Cobalt [listed as cobalt (II,III) oxide], chromium [listed as chromium (III) compounds], and mercury (listed as mercury and inorganic mercury compounds) are listed as Group 3, unclassifiable as to carcinogenicity in humans. No other ingredients in this product are classified with respect to carcinogenicity.

15.2 Chemical Safety Assessment

None available for the components in this product.

Section 16 – Other Information

List of acronyms and abbreviations:

| ACGIH: American Conference of Governmental Industrial Hygienists | N/A: Not applicable |
|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| ATE: Acute Toxicity Estimate | NOEC: No Observed Effect Concentration |
| CAS: Chemical Abstract Service Number | NIOSH: National Institute for Occupational Safety & Health |
| CLP: Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances | NTP: National Toxicology Program |
| DFG MAK: Deutsche Forschungsgemeinschaf Maximale Arbeitsplatzkonzentration | OSHA: Occupational Safety and Health Administration |
| EC: European Commission | PBT: Persistent, Bioaccumulative and Toxic |
| | PEL: Permissible Exposure Level |
| EC ₅₀ : Median effective concentration | PPE: Personal Protective Equipment |
| ECHA: European Chemicals Agency | REACH: Registration, Evaluation, Authorisation and restriction of Chemicals |
| ErC _{50:} Effective Concentration 50% | REL: Recommended exposure level |
| EU: European Union | SDS: Safety Data Sheet |
| GHS: Global Harmonized System | TLV: Threshold limit value |
| IARC: International Agency for Research on Cancer | TWA: Time-weighted average |
| IBC: International Bulk Chemical | UN: United Nations |
| LC ₅₀ : Lethal Concentration 50% | VOC: Volatile Organic Compound |
| MARPOL: Maritime Pollution | vPvB: very Persistent, very Bioaccumulative |

References:

ECHA (European Chemicals Agency). 2025. REACH Registered Substances Database. https://echa.europa.eu/search-for-chemicals

IARC (International Agency for Research on Cancer). 2025. Agents Classified by the IARC Monographs, Volumes 1-129. https://monographs.iarc.who.int/list-of-classifications/

NTP (National Toxicology Program). 2021. Report on Carcinogens, Fifteenth Edition.; Research Triangle Park, NC: U.S. Department of Health and Human Services, Public Health Service. https://ntp.niehs.nih.gov/go/roc15
Official Journal of the European Union. 2008. Regulation (EC) No 1272/2008.
https://data.europa.eu/eli/reg/2008/1272/2022-03-01

Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Revision Indicator: This is a new Safety Data Sheet.

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