83433-XXXX

# ENGOBES

## ODLO

## SAFETY DATA SHEET (SDS)

Version: 01 Date of Issue: March 14, 2024 According to: OSHA Hazard Communication Standard 29 CFR 1910.1200(g) Rev. 2012

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

1.1 Product identifier Product Name:	Engobes
Product Colors:	Porcelain Engobe, Speckled Buff Engobe, Brick Red Engobe, Dark Brown Engobe, Black Engobe
Product sizes:	4 fl. oz. (118 ml), 1 pt (473 mL)
Other Means of Identification:	None known
Product Description:	Coloured liquid glaze formulations intended to be applied using a brush and then placed in a kiln for glaze firing.

#### **1.2 Relevant identified uses of the substance or mixture and uses advised against** Relevant identified use(s): The product is intended for general (adults) arts and crafts purposes.

## 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:	Coloramics, LLC
	4077 Weaver Court South
	Hilliard, OH 43026 USA
Business Phone:	+1 (614) 876-1171

## 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: OSHA Hazard Communication Standard 29 CFR 1910.1200(g) Rev. 2012

Physical	Health	Environmental
Not classified	Not classified	Not classified

## 2.2. Label elements

Label Pictogram: None Signal Word: None Hazard Statement: None Precautionary Statement: None

## 2.3. Other hazards

• None

## Section 3 - Composition / Information on Ingredients

## 3.1 Substance

The product is a mixture and not a substance.

## 3.2 Mixture

Chemical Name	CAS No.	EC No.	% Concentration	GHS Hazards
Crystalline silica	14808-60-7	238-878-4	≤10.86%	H351: Carcinogenicity (Category 1) (inhalation) H372: Specific target organ toxicity (repeated exposure, Category 1 - lungs)
Titanium dioxide	13463-67-7	236-675-5	≤1.11%	H351: Carcinogenicity (Category 2) (inhalation)
Feldspar	68476-25-5	270-666-7	≤15.94%	H319: Eye irritation (Category 2) H335: Specific target organ toxicity (single exposure, Category 3 - lungs)
Pyrithione zinc	13463-41-7	236-671-3	≤0.01056%	<ul> <li>H301: Acute oral toxicity (Category 3)</li> <li>H318: Eye damage (Category 1)</li> <li>H331: Acute inhalation toxicity (Category 3)</li> <li>H400: Acute aquatic toxicity (Category 1)</li> <li>H410: Chronic aquatic toxicity (Category 1)</li> </ul>

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.

The product may contain titanium dioxide (CAS No. 13463-67-7), silica (CAS No. 1333-86-4), and/or feldspar (CAS No. 68476-25-5) 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. It was assumed that the glaze will not be sanded after it has been fired in the kiln.

## Section 4 – First Aid Measures

## 4.1 Description of first aid measures

**Eye contact:** No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and immediately flush eyes with water. If eye irritation persists, contact medical advise/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:** No specific first aid measures are required. 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, 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:
- Also see 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:** No specific precautions required. Keep unauthorized personnel away.

## 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 recoverable product and place in a designated container for recycle and/or disposal. 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

- 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 TLV TWA	OSHA PEL TWA	NIOSH REL TWA	DFG MAK
Crystalline silica	14808-60-7	0.025 mg/m³ <b>R</b>	0.05 mg/m <sup>3</sup> *	0.05 mg/m <sup>3</sup> *	N/A
Titanium dioxide	13463-67-7	10 mg/m <sup>3</sup>	15 mg/m <sup>3***</sup>	N/A	0.3 mg/m <sup>3</sup> <b>R**</b>
N/A – Not applicable		*	Respirable dust		
R – Measured as respirable fractions of the aerosol		Multiplied with the mat Total dust	erial density		

**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, respirator is not usually required. Use appropriate respiratory protection if exposure to dust particles, mist or vapors is likely. 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.
Hands:	Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur, wear chemically protective gloves.
Body/Skin:	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:	
Hygiene measures:	Not available. Observe good industrial hygiene practices. Avoid contact with skin. Contaminated work clothing should not be allowed out of the workplace and should be washed before reuse. When using the product do not eat, drink or smoke.

## Page 5 of 10

## 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:	Liquid	Partition Coefficient	
Color:	See Section 1.1	n-octanol/water:	Not available
Odor/Odor threshold:	None	Auto-ignition temperature:	Not available
pH (as supplied):	7.0 - 8.0	Decomposition temperature:	Not available
Melting/freezing point:	32°F	Dynamic viscosity:	Not available
Boiling point/range:	212°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):	1.2 – 1.3	VOC:	Not available
Relative density:	Not available	Particle size range:	Not available

#### 9.2 Other information

• No further data 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 oxidisers
- Strong reducing 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

## Likely routes of exposure: Skin contact, incidental ingestion.

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

Acute oral toxicity:	Pyrithione zinc (CAS No. 13463-41-7) has been classified for acute oral toxicity (Category 3); however, product classification is not required based on the concentration of pyrithione zinc and given the product ATE >2000 mg/kg.
Acute dermal toxicity:	The product is practically non-toxic based on human and/or animal studies.
Acute inhalation toxicity:	Pyrithione zinc (CAS No. 13463-41-7) has been classified for acute inhalation toxicity (Category 3); however, product classification is not required based on the concentration of pyrithione zinc and given the product ATE >2000 mg/kg.
Skin corrosion/irritation:	The ingredients >1% of this product are not skin irritants based on human and/or animal studies.
Serious eye damage/irritation:	Pyrithione zinc (CAS No. 13463-41-7) has been classified for eye damage (Category 1); however, product classification is not warranted based on the concentration of pyrithione zinc and a review of available data. Feldspar (CAS No. 68476-25-5) has been classified for eye irritation (Category 2). Product classification is not warranted for eye irritation based on the nature/physical form of the product ( <i>i.e.,</i> liquid glaze). It was assumed that the glaze will not be sanded after it has been fired in the kiln. The other ingredients >1% are not eye irritations based on human and/or animal studies.
Respiratory or skin sensitization:	The ingredients >0.1% are not sensitizing to the skin based on human and/or animal studies.
Mutagenicity:	The ingredients >0.1% are not mutagenic based on human and/or animal studies.
Carcinogenicity:	Crystalline silica (airborne, unbound particles of respirable size) (CAS No. 14808-60-7) 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). Titanium dioxide is listed as a Group 2B carcinogen by IARC. Crystalline silica (listed as silica dust, crystalline, in the form of quartz or cristobalite) is listed as Group 1 by IARC. Titanium dioxide and crystalline silica 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>i.e.</i> , liquid glaze). It was assumed that the glaze will not be sanded after it has been fired in the kiln. The other ingredients >0.1% are not carcinogenic based on animal studies or no data identified for the components in this product.
Reproductive Toxicity:	The ingredients >0.1% are not reproductive toxicants based on human and/or animal studies.
Specific target organ toxicity (single exposure):	Feldspar (CAS No. 68476-25-5) has been classified for specific target organ toxicity (single exposure, Category 3 - lungs). Product classification is not warranted for specific target organ toxicity based on a review of available data and the nature/physical form of the product ( <i>i.e.</i> , liquid glaze). It was assumed that the glaze will not be sanded after it has been fired in the kiln. The other ingredients >1% are not specific target organ toxicity (single exposure) toxicants based on human and/or animal studies.
Specific target organ toxicity (repeated exposure):	Crystalline silica (CAS No. 14808-60-7) has been classified for specific target organ toxicity (repeated exposure, Category 1 - lungs). Product classification is not warranted for specific target organ toxicity based on a review of available data and the nature/physical form of the product ( <i>i.e.</i> , liquid glaze). It was assumed that the glaze will not be sanded after it has been fired in the kiln. The other ingredients >1% are not specific target organ toxicity (repeated exposure) toxicants based on human and/or animal studies.
Aspiration hazard:	The ingredients >1% are not aspiration hazards based on human and/or animal studies.

Item Numbers: 83433-1020, 83433-1170, 83433-2020, 83433-3710, 83433-8030, 83433-2240, 83433-8170

#### References:

ECHA (European Chemicals Agency). 2024. REACH Registered Substances Database.

https://echa.europa.eu/search-for-chemicals

IARC (International Agency for Research on Cancer). 2024. Agents Classified by the IARC Monographs, Volumes 1– 129. <u>https://monographs.iarc.who.int/list-of-classifications/</u>

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. <u>https://ntp.niehs.nih.gov/go/roc14</u>

## Section 12 – Ecological Information

## 12.1 Toxicity

Chemical Name	CAS No.	Species	Value	
	e* 13463-41-7	Pimephales	LC₅₀ (96h): 0.0026 mg/L	
			promelas	NOEC (96h): 0.011 mg/L
Zine purithione*		Donhaio mogra	LC₅₀ (48h): 0.0082 mg/L	
Zinc pyrithione*		Daphnia magna	NOEC (48h): 0.011 mg/L	
		Selenastrum	EC <sub>50</sub> (120h): 0.028mg/L	
		capricornutum	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 other ingredients in 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 Kow is -1.99.
- 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<sub>oc</sub>=784) or very slightly (K<sub>oc</sub>=2347) mobile in soils and very slightly mobile (K<sub>oc</sub>=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 Other adverse effects

No further data available.

#### **References:**

ECHA (European Chemicals Agency). 2024. REACH Registered Substances Database. <u>https://echa.europa.eu/search-for-chemicals</u>

#### 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 is not expected to 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 Maritime transport in bulk according to IMO instruments	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**.

## United States

#### Federal Regulations:

**Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):** No ingredients in this product >0.1% are subject to reporting under CERCLA.

**Clean Water Act (CWA):** Zinc oxide (CAS No. 1314-13-2), pyrithione zinc (CAS No. 13463-41-7), and 2,3,7,8 TCDD (CAS No. 1746-01-6) are listed as toxic pollutants. No other ingredients in this product are listed as toxic pollutants. **Clean Air Act (CAA):** No ingredients in this product are listed under the CAA.

## Superfund Amendments and Reauthorization Act (SARA) Title III Information:

SARA 302 Components: No ingredients in this product are subject to reporting requirements of S.302.

**SARA 304 Emergency Release Notification:** No ingredients in this product are subject to reporting requirements of S.304.

SARA 311/312 Hazards: None.

**SARA 313 Components:** Methanol (CAS No. 67-56-1), 2,3,7,8 TCDD (CAS No. 1746-01-6) and cobalt (CAS No. 7440-48-4) are subject to reporting requirements of S.313. No other ingredients in this product are subject to reporting requirements of S.313.

**Toxic Substances Control Act (TSCA):** Manganese ore (CAS No. 1302-78-9) and 2,3,7,8 TCDD (CAS No. 1746-01-6) are not listed on the TSCA inventory. All other ingredients are listed on the non-confidential TSCA inventory or are exempt.

## State Regulations:

**California Candidate Chemicals List:** Pyrithione zinc (CAS No. 13463-41-7), crystalline silica (in the form of quartz or cristobalite) (CAS No. 14808 60-7), titanium dioxide (airborne, unbound particles of respirable size) (CAS No. 13463-67-7), methanol (CAS No. 67-56-1), 2,3,7,8 TCDD (CAS No. 1746-01-6) and cobalt (CAS No. 7440-48-4) are listed on California's Candidate Chemicals List. No other ingredients in this product are listed on the Candidate Chemicals List. **California Proposition 65 List:** Titanium dioxide (airborne particles of respirable size) (CAS No. 13463-67-7) and crystalline silica (airborne particles of respirable size) (CAS No. 14808-60-7) are listed on the Proposition 65 List; however, given the nature/physical form of the product (*i.e.*, liquid glaze), airborne respirable particles would not likely be released from this product and therefore the listed forms of titanium dioxide and crystalline silica are not relevant for the product. Methanol (CAS No. 67-56-1), 2,3,7,8 TCDD (CAS No. 1746-01-6) and cobalt (CAS No. 7440-48-4) are listed on the Proposition 65 List: "No other ingredients in this product and crystalline silica are not relevant for the product. Methanol (CAS No. 67-56-1), 2,3,7,8 TCDD (CAS No. 1746-01-6) and cobalt (CAS No. 7440-48-4) are listed on the Proposition 65 List. Warnings for the purpose of California Proposition 65 for cobalt are not warranted given the nature/physical form of the products (*i.e.*, liquid glaze). Additionally, a screening assessment indicates that the concentrations of methanol and 2,3,7,8 TCDD are not expected to be a cause for concern and warnings for the purpose of California Proposition 65 for cobalt are not warranted given the nature/physical form of the products (*i.e.*, liquid glaze). Additionally, a screening assessment indicates that the concentrations of methanol and 2,3,7,8 TCDD are not expected to be a cause for concern and warnings for the purpose of California Proposition 65 are not required.

**Maine List of Chemicals of High Concern:** Given the product is not considered to be a toy and is not intended for use by children, the List of Chemicals of High Concern is not applicable to the product.

**Massachusetts Toxic or Hazardous Substance List:** No ingredients in this product are listed on the Toxic or Hazardous Substance List.

**Minnesota Chemicals of High Concern List and Priority List:** Crystalline silica (CAS No. 14808 60-7), titanium dioxide (CAS No. 13463-67-7), methanol (CAS No. 67-56-1), and cobalt (CAS No. 7440-48-4) are listed on the Chemicals of High Concern and Priority list. No other ingredients in this product are listed on the Chemicals of High Concern and Priority list.

**New Jersey Right to Know Hazardous Substance List:** Zinc oxide (CAS No. 1314-13-2), crystalline silica (CAS No. 14808 60-7), titanium dioxide (CAS No. 13463-67-7), kaolin (CAS No. 1332-58-7), trimanganese tetraoxide (CAS No. 1317-35-7), methanol (CAS No. 67-56-1), and cobalt (CAS No. 7440-48-4) are listed on the Right to Know Hazardous Substance List. No other ingredients are listed on the Right to Know Hazardous Substance List.

**Pennsylvania Hazardous Šubstance List:** Zinc oxide (ČAS No. 1314-13-2), crystalline silica (CAS No. 14808 60-7), titanium dioxide (CAS No. 13463-67-7), kaolin (CAS No. 1332-58-7), trimanganese tetraoxide (CAS No. 1317-35-7), methanol (CAS No. 67-56-1), and cobalt (CAS No. 7440-48-4) are listed on the Hazardous Substance List. No other ingredients in this product are listed on the Hazardous Substance List.

Vermont Chemicals of High Concern to Children: Given the product is not considered to be a toy and is not intended for use by children, the Chemicals of High Concern to Children list is not applicable to the product.

Washington Chemicals of High Concern to Children: Given the product is not considered to be a toy and is not intended for use by children, the Chemicals of High Concern to Children list is not applicable to the product.

## International:

**IARC:** Crystalline silica (CAS No. 14808-60-7) is listed as Group 1, carcinogenic to humans. Cobalt (CAS No. 7440-48-4) is listed as Group 2A, probably carcinogenic to humans. Titanium dioxide (CAS No. 13463-67-7) is listed as Group 2B, possibly carcinogenic to humans. No other ingredients in this product are classified with respect to carcinogenicity.

## 15.2 Chemical Safety Assessment

• None available for the ingredients in this product.

## Section 16 – Other Information

An **AP (Approved Product)** label is appropriate for this product. The product, *Engobes,* is safe and is certified to contain no materials in sufficient quantities to be toxic or injurious to humans, including children, or to cause acute or chronic health problems.



#### List of acronyms and abbreviations:

ACGIH: American conference of Governmental Hygienists	NIOSH: National Institute for Occupational Safety & Health
ATE: Acute Toxicity Estimate	OSHA: Occupational Safety and Health Administration
CAA: Clean Air Act	PBT: Persistent, Bioaccumulative and Toxic
CAS: Chemical Abstract Service Number	PEL: Permissible Exposure Level
CERCLA: Comprehensive Environmental Response and Liability Act	PPE: Personal Protective Equipment
CFR: Code of Federal Regulations	REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
CWA: Clean Water Act	REL: Recommended exposure level
DFG MAK: Deutsche Forschungsgemeinschaf Maximale Arbeitsplatz-Konzentration	RQ: Reportable quantity
EC: European Commission	SARA: Superfund Amendment and Reauthorization Act
ECHA: European Chemicals Agency	SDS: Safety Data Sheet
GHS: Global Harmonized System	TLV: Threshold limit value
HEPA: High Efficiency Particulate Air	TWA: Time-weighted average
IARC: International Agency for Research on Cancer	TSCA: Toxic Substances Control Act
IBC: International Bulk Chemical	UN: United Nations
MARPOL: Maritime Pollution	vPvB: very Persistent, very Bioaccumulative

#### **References:**

- ECHA (European Chemicals Agency). 2024. REACH Registered Substances Database.
- https://echa.europa.eu/search-for-chemicals
- IARC (International Agency for Research on Cancer). 2024. Agents Classified by the IARC Monographs, Volumes 1– 129. <u>https://monographs.iarc.who.int/list-of-classifications/</u>
- 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/roc14

#### 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.

Creation Date: May 8, 2024