

# SAFETY DATA SHEET

## PRO INDUSTRIAL™ Pre-Catalyzed Waterbased Epoxy Eg-Shel - Extra White

Safety Data Sheet according to GB/T 16483-2008 and GB/T 17519-2013

### Section 1. Identification

**Product code** : K45W1151  
**GHS product identifier** : PRO INDUSTRIAL™ Pre-Catalyzed Waterbased Epoxy Eg-Shel  
Extra White  
**Product use** : Industrial applications, Used by spraying.  
**Material uses** : Paint or paint related material.

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

Mfg. in the U.S.A. and exported by:  
THE SHERWIN-WILLIAMS COMPANY  
101 W. Prospect Avenue  
Cleveland, OH 44115

Imported by:  
Sherwin Williams Asia Pacific  
Building 11, Shibe One Center, No1401 Jiangchang  
Road  
Jing'an District, Shanghai 200436, China  
Phone: +86 21 61937965  
regulatory.asia@sherwin.com

**Supplier Telephone number** : (216) 566-2902  
**e-mail address of person responsible for this SDS** : MSDS@sherwin.com

**Emergency telephone number (with hours of operation)** : 400-6267911 (24/7)  
**Hours of operation** : Emergency contact available 24 hours a day

### Section 2. Hazards identification

Classification of the substance or mixture according to GB 13690-2009 and GB 30000-2013

#### Emergency overview

Liquid.  
White.  
Causes mild skin irritation.  
May cause cancer.  
Toxic to aquatic life.  
None known. Please refer to the SDS for additional information.

IF exposed or concerned: Get medical advice or attention. If skin irritation occurs:  
Get medical advice or attention.

**See Section 12 for environmental precautions.**

## Section 2. Hazards identification

**Classification of the substance or mixture** : SKIN CORROSION/IRRITATION - Category 3  
CARCINOGENICITY - Category 1A  
AQUATIC HAZARD (ACUTE) - Category 2

### GHS label elements

**Hazard pictograms** :



**Signal word** : Danger

**Hazard statements** : Causes mild skin irritation.  
May cause cancer.  
Toxic to aquatic life.

### Precautionary statements

**Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Avoid release to the environment.

**Response** : IF exposed or concerned: Get medical advice or attention. If skin irritation occurs: Get medical advice or attention.

**Storage** : Store locked up.

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Physical and chemical hazards** : No known significant effects or critical hazards.

**Health hazards** : Causes mild skin irritation. May cause cancer.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness

**Inhalation** : No specific data.

**Skin contact** : Adverse symptoms may include the following:  
irritation  
redness

**Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

## Section 2. Hazards identification

**Environmental hazards** : Toxic to aquatic life.

**Other hazards which do not result in classification** : None known. Please refer to the SDS for additional information.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

### Hazardous ingredients

Ingredient name	%	CAS number	EC number	Hazard classification
Titanium Dioxide	≥10 - ≤25	13463-67-7	236-675-5	H316, H351
Cristobalite, respirable powder	<1	14464-46-1	238-455-4	H350, H372
Ammonium Hydroxide	≤0.3	1336-21-6	215-647-6	H302, H314, H318, H335, H400, H412
3-Iodo-2-propynyl Butyl Carbamate	<0.1	55406-53-6	259-627-5	H302, H317, H318, H331, H372, H400, H410
Zinc Pyrithione	<0.01	13463-41-7	236-671-3	H301, H310 + H330, H318, H360, H360D, H372, H400, H410

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

## Section 4. First aid measures

**Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : Causes mild skin irritation.  
**Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

**Eye contact** : Adverse symptoms may include the following:  
 pain or irritation  
 watering  
 redness  
**Inhalation** : No specific data.  
**Skin contact** : Adverse symptoms may include the following:  
 irritation  
 redness  
**Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.  
**Specific treatments** : No specific treatment.  
**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** : Recommended: alcohol-resistant foam, CO<sub>2</sub>, powders, water spray or mist.  
**Unsuitable extinguishing media** : Do not use water jet.

## Section 5. Fire-fighting measures

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
metal oxide/oxides
- Advice for firefighters**
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

### Methods and materials for containment and cleaning up

- Spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not

## Section 7. Handling and storage

reuse container.

### Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Store above 5°C (42°F) Protect from frost.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
Titanium Dioxide	<b>GBZ 2.1 (China, 11/2022).</b> PC-TWA: 8 mg/m <sup>3</sup> 8 hours. Form: dust <b>ACGIH TLV (United States, 1/2023).</b> <b>[Silica, crystalline]</b> TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction <b>GBZ 2.1 (China, 11/2022). [Ammonia]</b> PC-TWA: 20 mg/m <sup>3</sup> 8 hours. PC-STEL: 30 mg/m <sup>3</sup> 15 minutes.
Cristobalite, respirable powder	
ammonia (more than 10%)	

### Biological exposure indices

No exposure indices known.

### Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

### Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

#### Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Eye/face protection

: Use safety eyewear designed to protect against splash of liquids.

#### Skin protection

##### Hand protection

: Wear suitable gloves tested to EN374.

##### Gloves

:

## Section 8. Exposure controls/personal protection

Short Term Exposure less than 10 minutes Continuous use Nitrile gloves.

Long Term Exposure Spill / For prolonged or repeated handling, use PE / PE Laminate gloves > 8 hours (breakthrough time) .

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

### Body protection

: Personnel should wear protective clothing.

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

### Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

### Respiratory protection

: If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.

## Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### Appearance

**Physical state** : Liquid.

**Color** : White.

**Odor** : Paint

**Odor threshold** : Not available.

**pH** : 9.2

**Melting point/freezing point** : Not available.

**Boiling point, initial boiling point, and boiling range** : 100°C (212°F)

**Flash point** : Closed cup: Not applicable.

**Evaporation rate** : 0.09 (butyl acetate = 1)

**Lower and upper explosion limit/flammability limit** : Not available.

**Vapor pressure** : 2.3 kPa (17.5 mm Hg)

**Relative vapor density** : 1 [Air = 1]

**Relative density** : 1.27

**Solubility(ies)** :

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## Section 9. Physical and chemical properties

Media	Result
cold water	Partially soluble

**Partition coefficient: n-octanol/water** : Not applicable.

**Auto-ignition temperature** : Not available.

**Decomposition temperature** : Not available.

**Viscosity** : Kinematic (40°C (104°F)): >20.5 mm<sup>2</sup>/s (>20.5 cSt)

**VOC content** : 4 g/L

**Heat of combustion** : 1.532 kJ/g

## Section 10. Stability and reactivity

**Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : The product is stable.

**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** : No specific data.  
: Avoid high temperature.

**Incompatible materials** : No specific data.

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

*Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.*

## Section 11. Toxicological information

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
ammonia (more than 10%)	LD50 Oral	Rat	350 mg/kg	-
3-iodo-2-propynyl	LD50 Oral	Rat	1470 mg/kg	-
butylcarbamate				
Zinc Pyrithione	LC50 Inhalation Vapor	Rat	140 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	100 mg/kg	-
	LD50 Oral	Rat	177 mg/kg	-

### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300 ug l	-
ammonia (more than 10%)	Eyes - Severe irritant	Rabbit	-	0.5 minutes 1 mg	-
	Eyes - Severe irritant	Rabbit	-	250 ug	-

### Sensitization



## Section 11. Toxicological information

Not available.

### **Mutagenicity**

Not available.

### **Carcinogenicity**

Not available.

### **Classification**

Product/ingredient name	IARC
Titanium Dioxide Cristobalite, respirable powder	2B 1

### **Reproductive toxicity**

Not available.

### **Teratogenicity**

Not available.

### **Specific target organ toxicity (single exposure)**

Name	Category	Route of exposure	Target organs
ammonia (more than 10%)	Category 3	-	Respiratory tract irritation

### **Specific target organ toxicity (repeated exposure)**

Name	Category	Route of exposure	Target organs
Cristobalite, respirable powder	Category 1	inhalation	respiratory tract
3-iodo-2-propynyl butylcarbamate	Category 1	-	larynx
Zinc Pyrithione	Category 1	-	-

**Information on the likely routes of exposure** : Not available.

### **Potential acute health effects**

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : Causes mild skin irritation.  
**Ingestion** : No known significant effects or critical hazards.

### **Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact** : Adverse symptoms may include the following:  
 pain or irritation  
 watering  
 redness  
**Inhalation** : No specific data.  
**Skin contact** : Adverse symptoms may include the following:  
 irritation  
 redness  
**Ingestion** : No specific data.

## Section 11. Toxicological information

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

#### Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

#### Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute LC50 >1000000 µg/l Marine water	Fish - <i>Fundulus heteroclitus</i>	96 hours
	ammonia (more than 10%)	Fish - <i>Gambusia affinis</i> - Adult	96 hours
	3-iodo-2-propynyl butylcarbamate	Crustaceans - <i>Hyalella azteca</i>	48 hours
	Acute LC50 40 ppb Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
Zinc Pyrethrin	Acute LC50 67 µg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i> - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Chronic NOEC 8.4 ppb	Fish - <i>Pimephales promelas</i>	35 days
	Acute EC50 0.51 µg/l Marine water	Algae - <i>Thalassiosira pseudonana</i>	96 hours
	Acute EC50 38 µg/l Fresh water	Crustaceans - <i>Ilyocypris dentifera</i>	48 hours
	Acute EC50 8.25 ppb Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 2.68 ppb Fresh water	Fish - <i>Pimephales promelas</i>	96 hours
	Chronic EC10 0.36 µg/l Marine water	Algae - <i>Thalassiosira pseudonana</i>	96 hours
	Chronic NOEC 2.7 ppb Fresh water	Daphnia - <i>Daphnia magna</i>	21 days

## Section 12. Ecological information

### Persistence/degradability

Not available.

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Zinc Pyrithione	-	11	Low

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

Other adverse effects : No known significant effects or critical hazards.

*Do not allow to enter drains or watercourses.*

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Do not incinerate closed container. Incinerate in a licensed, high-temperature, hazardous-waste incinerator.

## Section 14. Transport information

	China	ADR	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-
Transport Hazard Class(es)/Label(s)	-	-	-	-
Packing group	-	-	-	-
Environmental hazards/Marine pollutant	No.	No.	No.	No.

### Additional information

## Section 14. Transport information

-  
-  
-  
-

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

### Extinguishing media

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known.

**Incompatible materials** : No specific data.

**Transport in bulk according to IMO instruments** : Not available.

*Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.*

## Section 15. Regulatory information

**National inventory** : **Australia inventory (AIIC):** Not determined.  
**Canada inventory:** Not determined.  
**China inventory (IECSC):** Not determined.  
**Japan inventory (CSCL):** Not determined.  
**Japan inventory (ISHL):** Not determined.  
**Korea inventory:** Not determined.  
**Mexico inventory:** Not determined.  
**New Zealand Inventory of Chemicals (NZIoC):** Not determined.  
**Philippines inventory (PICCS):** Not determined.  
**Russian Federation inventory:** Not determined.  
**Thailand inventory:** Not determined.  
**Turkey inventory:** Not determined.  
**Taiwan Chemical Substances Inventory (TCSI):** Not determined.  
**United States inventory (TSCA 8b):** Not determined.  
**Vietnam inventory:** Not determined.

### List of Goods banned for Importing

None of the components are listed.

### Drug Precursors Requiring an Import/Export License

None of the components are listed.

### Inventory of Hazardous Chemicals

None of the components are listed.

### List of Explosive Precursors

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## Section 15. Regulatory information

Ingredient name	CAS number	Status	Reference number
sodium nitrate	7631-99-4	Listed	2.1
magnesium nitrate	10377-60-3	Listed	2.4

### List of Goods banned for Exporting

None of the components are listed.

### List of Toxic Chemicals Severely Restricted for Importing & Exporting by China

None of the components are listed.

### Catalogue and classification of drug precursor chemicals

Category	Ingredient name	%	Status
Category 3	sulfuric acid	≤0.1	Listed

### Inventory of Highly Toxic Articles

None of the components are listed.

### Catalogue of Hazardous Chemicals of Priority Management

Listed

Listed

Listed

### China MEE12 Registration number

Registration number
T-181529
T-141288
T-141290
T-130576

## Section 16. Other information

### History

Date of printing : 2024/04/25.

Date of issue/Date of revision : 2024/04/25.

Date of previous issue : 2024/04/10.

Version : 2.06

Key to abbreviations : ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 N/A = Not available  
 SGG = Segregation Group  
 UN = United Nations

### Procedure used to derive the classification

**Section 16. Other information**

Classification	Justification
SKIN CORROSION/IRRITATION - Category 3	Calculation method
CARCINOGENICITY - Category 1A	Calculation method
AQUATIC HAZARD (ACUTE) - Category 2	Calculation method

**Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

- Full text of classifications [CLP/GHS]** : SKIN CORROSION/IRRITATION - Category 3  
CARCINOGENICITY - Category 1A  
AQUATIC HAZARD (ACUTE) - Category 2
- Full text of abbreviated H statements** : H316 - Causes mild skin irritation.  
H350 - May cause cancer.  
H401 - Toxic to aquatic life.
- Precautionary statements** : P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P280 - Wear protective gloves, protective clothing and eye or face protection.  
P273 - Avoid release to the environment.  
P308 + P313 - IF exposed or concerned: Get medical advice or attention.  
P332 + P313 - If skin irritation occurs: Get medical advice or attention.  
P405 - Store locked up.  
P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Indicates information that has changed from previously issued version.

**Notice to reader**

*It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.*