

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

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EGHS / English



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Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name Zar® Exterior Water Based Polyurethane - All Gloss Levels

Chemical name

Contains 1-Methyl-2-pyrrolidone

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

Recommended Use Clear Wood Finish - Varnish.

Uses advised against No information available.

1.3. Details of the supplier of the safety data sheet

Supplier Name United Gilsonite Laboratories

Supplier Address 1396 Jefferson Ave.
Dunmore
PA
18509
US

Supplier Phone Number Phone:570-344-1202
Fax:570-969-7634
Contact Phone570-344-1202

Supplier Email sales@ugl.com

For further information, please contact.

1.4. Emergency telephone number

Emergency telephone CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
+1-800-424-9300 (NORTH AMERICA)



Emergency telephone §45 - (EC)1272/2008

Europe

112

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Reproductive Toxicity	Category 1B - (H360D)
Specific target organ toxicity (single exposure)	Category 3 - (H335)

2.2. Label elements

Contains 1-Methyl-2-pyrrolidone



Signal word

Danger

Hazard Statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H360D - May damage the unborn child

H335 - May cause respiratory irritation

EUH208 - Contains Poly(oxy-1,2-ethanediyl),.alpha.-[3-[3-(2H- benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydr..., Poly(oxy-1,2-ethanediyl),

.alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-, Bis (1,2,2,6,6-pentamethyl-4-piperidiny) sebacate EUH208 - May produce an allergic reaction

Precautionary Statements - EU (§28, 1272/2008)

P201 - Obtain special instructions before use

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear protective gloves and eye/face protection

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P321 - Specific treatment (see supplemental first aid instructions on this label)

P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other hazards

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

Chemical name	EC No	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Reg. No.
1-Methyl-2-pyrrolidone	212-828-1	872-50-4	5 - 10%	Skin Irrit. 2 (H315) Repr. 1B (H360D) STOT SE 3 (H335) Eye Irrit. 2 (H319)	No data available
Triethylamine	204-469-4	121-44-8	1 - 5%	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Corr. 1A (H314) Flam. Liq. 2 (H225) Acute Tox. 4 (H332)	No data available
Silica, amorphous, fumed, crystal-free	-	112945-52-5	< 1%	No data available	No data available
Poly(oxy-1,2-ethanediyl),.alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydr...	400-830-7	104810-47-1	< 1%	Skin Sens. 1 (H317) Aquatic Chronic 2 (H411)	No data available
Poly(oxy-1,2-ethanediyl),.alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydr oxy-	400-830-7	104810-48-2	< 1%	Skin Sens. 1 (H317) Aquatic Chronic 2 (H411)	No data available
Bis (1,2,2,6,6-pentamethyl-4-piperidiny) sebacate	255-437-1	41556-26-7	< 1%	Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Manganese isooctanoate	253-508-1	37449-19-7	< 0.1%	No data available	No data available
Third Party Formulation (TP # 1172167)	Listed	-	0 - 10%	Repr. 2 (H361d)	No data available

Full text of H- and EUH-phrases: see section 16

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Chemical name	CAS No.	SVHC candidates
1-Methyl-2-pyrrolidone	872-50-4	X

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice

Show this safety data sheet to the doctor in attendance.

Inhalation

Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur.

Skin contact

Wash off immediately with soap and plenty of water for at least 15 minutes. Get

medical attention if irritation develops and persists.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.

Ingestion

Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

Self-protection of the first aider

Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

Symptoms

Burning sensation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians

Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire

CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous Combustion Products

Carbon oxides.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Special danger of slipping by leaking/spilling product.

Other Information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Remove contaminated clothing and shoes. Take off contaminated clothing and wash before reuse. Ensure adequate ventilation. Avoid breathing vapors or mists. In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Limits

Chemical name	EU	United Kingdom	France	Spain	Germany
1-Methyl-2-pyrrolidone 872-50-4	S* TWA: 10 ppm TWA: 40 mg/m ³ STEL: 20 ppm	STEL: 20 ppm STEL: 80 mg/m ³ TWA: 10 ppm TWA: 40 mg/m ³	TWA: 40 mg/m ³ TWA: 10 ppm * STEL: 80 mg/m ³	vía dérmica* STEL: 20 ppm STEL: 80 mg/m ³ TWA: 10 ppm	TWA: 20 ppm TWA: 82 mg/m ³ S*

	STEL: 80 mg/m ³	Sk*	STEL: 20 ppm	TWA: 40 mg/m ³	
Triethylamine 121-44-8	S* TWA 2 ppm TWA 8.4 mg/m ³ STEL 3 ppm STEL 12.6 mg/m ³	STEL: 4 ppm STEL: 17 mg/m ³ TWA: 2 ppm TWA: 8 mg/m ³ Sk*	TWA: 1 ppm TWA: 4.2 mg/m ³ * STEL: 3 ppm STEL: 12.6 mg/m ³	vía dérmica* STEL: 3 ppm TWA: 2 ppm TWA: 8.4 mg/m ³	TWA: 1 ppm TWA: 4.2 mg/m ³ S*
Third Party Formulation (TP # 1172167)	TWA: 10 ppm TWA: 50.1 mg/m ³ Skin	STEL: 30 ppm STEL: 150.3 mg/m ³ TWA: 10 ppm TWA: 50.1 mg/m ³ Sk*	TWA: 10 ppm TWA: 50.1 mg/m ³ *	vía dérmica* TWA: 10 ppm TWA: 50.1 mg/m ³	TWA: 10 ppm TWA: 50 mg/m ³ S*
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
1-Methyl-2-pyrrolidone 872-50-4	-	-	H* STEL: 80 mg/m ³ TWA: 40 mg/m ³	TWA: 10 ppm TWA: 40 mg/m ³ STEL: 20 ppm STEL: 80 mg/m ³ iho*	TWA: 5 ppm TWA: 20 mg/m ³ H*
Triethylamine 121-44-8	TWA: 2 ppm TWA: 8.4 mg/m ³ STEL: 3 ppm STEL: 12.6 mg/m ³ pelle*	STEL: 3 ppm TWA: 1 ppm	H* STEL: 12.6 mg/m ³ TWA: 4.2 mg/m ³	STEL: 1 ppm STEL: 4.2 mg/m ³ iho*	TWA: 1 ppm TWA: 4.1 mg/m ³ H*
Third Party Formulation (TP # 1172167)	TWA: 10 ppm TWA: 50.1 mg/m ³ pelle*	-	H* TWA: 45 mg/m ³	TWA: 10 ppm TWA: 50 mg/m ³ iho*	TWA: 10 ppm TWA: 50 mg/m ³ H*
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
1-Methyl-2-pyrrolidone 872-50-4	H* STEL 20 ppm STEL 80 mg/m ³ TWA: 10 ppm TWA: 40 mg/m ³	H* STEL: 40 ppm STEL: 160 mg/m ³ TWA: 20 ppm TWA: 80 mg/m ³	P* STEL: 80 mg/m ³ TWA: 40 mg/m ³	TWA: 5 ppm TWA: 20 mg/m ³ H* STEL: 20 ppm STEL: 80 mg/m ³	TWA: 10 ppm TWA: 40 mg/m ³ STEL: 20 ppm STEL: 80 mg/m ³ Sk*
Triethylamine 121-44-8	H* STEL 3 ppm STEL 12.6 mg/m ³ TWA: 2 ppm TWA: 8.4 mg/m ³	STEL: 2 ppm STEL: 8.4 mg/m ³ TWA: 1 ppm TWA: 4.2 mg/m ³	P* STEL: 9 mg/m ³ TWA: 3 mg/m ³	TWA: 2 ppm TWA: 8 mg/m ³ H* STEL: 4 ppm STEL: 16 mg/m ³	TWA: 2 ppm TWA: 8.4 mg/m ³ STEL: 3 ppm STEL: 12.6 mg/m ³ Sk*
Silica, amorphous, fumed, crystal-free 112945-52-5	TWA: 4 mg/m ³	TWA: 4 mg/m ³	-	-	-
Manganese isooctanoate 37449-19-7	-	-	-	-	TWA: 0.2 mg/m ³ STEL: 0.6 mg/m ³
Third Party Formulation (TP # 1172167)	H* TWA: 10 ppm TWA: 50.1 mg/m ³	-	P* TWA: 50 mg/m ³	TWA: 10 ppm TWA: 50 mg/m ³ H* STEL: 15 ppm STEL: 75 mg/m ³	TWA: 10 ppm TWA: 50.1 mg/m ³ STEL: 30 ppm STEL: 150.3 mg/m ³ Sk*

Biological occupational exposure limits

Chemical name	European Union	United Kingdom	France	Spain	Germany
1-Methyl-2-pyrrolidone 872-50-4	-	-	-	20 70	150 mg/L
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
1-Methyl-2-pyrrolidone 872-50-4	-	-	-	-	20 mg/g creatinine 70 mg/g creatinine

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2. Exposure controls

Personal protective equipment

Eye/face protection If splashes are likely to occur, wear safety glasses with side-shields.

Hand Protection Wear suitable gloves. Impervious gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Amber
Odor	Amine
Color	No information available
Odor Threshold	No information available

Property	Values	Remarks Method
pH	8.5	ASTM E 70.07 (2015)
Melting / freezing point	No data available	None known
Boiling point / boiling range	100 °C	
Flash Point	No data available	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	1.02 g/L	ASTM 1475-13
Water Solubility	Soluble in water	None known
Solubility(ies)	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known

Viscosity	54-59 KU	ASTM 2938.17
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9.2. Other information

Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	No information available
EPA VOC (g/l)	79 (ISO 118990-2)
Liquid Density	No information available
Bulk Density	No information available
Particle Size	No information available
Particle Size Distribution	No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

Explosion Data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions	None under normal processing.
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Hazardous Polymerization	Hazardous polymerization does not occur.
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10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, Strong bases, Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May cause drowsiness or dizziness.
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Eye contact	Specific test data for the substance or mixture is not available. Irritating to eyes. (based on components). Causes serious eye irritation.
Skin contact	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Information on toxicological effects

Symptoms	Redness. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
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Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	15,623.00 mg/kg
ATEmix (dermal)	33,655.00 mg/kg
ATEmix (inhalation-dust/mist)	65.00 mg/L
ATEmix (inhalation-vapor)	477.00 mg/L

Unknown acute toxicity

No information available

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
1-Methyl-2-pyrrolidone	= 3914 mg/kg (Rat)	= 8 g/kg (Rabbit)	> 5.1 mg/L (Rat) 4 h
Triethylamine	= 460 mg/kg (Rat)	= 415 mg/kg (Rabbit) = 570 µL/kg (Rabbit)	= 1250 ppm (Rat) 4 h
Silica, amorphous, fumed, crystal-free	= 3160 mg/kg (Rat)	-	-
Bis (1,2,2,6,6-pentamethyl-4-piperidiny) sebacate	= 2615 mg/kg (Rat)	-	-
Third Party Formulation (TP # 1172167)	= 4 mL/kg (Rat)	= 650 mg/kg (Rabbit) = 2500 µL/kg (Rabbit)	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Classification based on data available for ingredients. Irritating to skin.
Serious eye damage/eye irritation	Classification based on data available for ingredients. Irritating to eyes.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.

Carcinogenicity No information available.

Reproductive Toxicity Classification based on data available for ingredients. Contains a known or suspected reproductive toxin.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

Chemical name	EU - Annex VI Reproductive
1-Methyl-2-pyrrolidone	Repr. 1B
Third Party Formulation (TP # 1172167)	Repr. 2

STOT - single exposure May cause respiratory irritation.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
1-Methyl-2-pyrrolidone	72h EC50: > 500 mg/L (Desmodesmus subspicatus)	96h LC50: = 1400 mg/L (Poecilia reticulata) 96h LC50: = 832 mg/L (Lepomis macrochirus) 96h LC50: = 1072 mg/L (Pimephales promelas) 96h LC50: = 4000 mg/L (Leuciscus idus)	-	48h EC50: = 4897 mg/L
Triethylamine	-	96h LC50: = 43.7 mg/L (Pimephales promelas)	EC50 = 127 mg/L 2 h EC50 = 95 mg/L 17 h	48h EC50: = 200 mg/L
Bis (1,2,2,6,6-pentamethyl-4-piperidiny) sebacate	-	96h LC50: = 0.97 mg/L (Lepomis macrochirus)	-	24h EC50: = 20 mg/L
Third Party Formulation (TP # 1172167)	72h EC50: > 500 mg/L (Desmodesmus subspicatus)	96h LC50: = 7500 mg/L (Lepomis macrochirus) 96h LC50: = 5741 mg/L (Pimephales promelas)	EC50 > 10000 mg/L 17 h	48h EC50: > 500 mg/L

12.2. Persistence and degradability

Persistence and Degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

Chemical name	Log Pow
1-Methyl-2-pyrrolidone	-0.46
Triethylamine	1.45
Bis (1,2,2,6,6-pentamethyl-4-piperidiny) sebacate	0.37
Third Party Formulation (TP # 1172167)	-0.682

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

Chemical name	PBT and vPvB assessment
1-Methyl-2-pyrrolidone	The substance is not PBT / vPvB
Triethylamine	The substance is not PBT / vPvB
Third Party Formulation (TP # 1172167)	The substance is not PBT / vPvB

12.6. Other adverse effects

Other adverse effects No information available.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging No information available.

Other Information According to the European Waste Catalog, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORT INFORMATION

IMDG/IMO	Not regulated
14.1 UN-No.	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	N/A
14.4 Packing Group	Not regulated
14.5 Marine Pollutant	Not applicable
14.6 Special Provisions	None
14.7 Transport in bulk	No information available

according to Annex II of
MARPOL and the IBC Code

RID	Not regulated
14.1 UN-No.	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

ADR	Not regulated
14.1 UN-No.	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

IATA	Not regulated
14.1 UN-No.	Not regulated
14.2 Proper Shipping Name	NON REGULATED
14.3 Hazard Class	N/A
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

Section 15: REGULATORY INFORMATION

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

National regulations

France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number	Title
1-Methyl-2-pyrrolidone 872-50-4	RG 84	-
Triethylamine 121-44-8	RG 49, RG 49bis	-
Silica, amorphous, fumed, crystal-free 112945-52-5	RG 5, RG 14, RG 15, RG 15bis, RG 20bis	-
Third Party Formulation (TP # 1172167)	RG 84	-

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .

Authorizations and/or restrictions on use:



This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
1-Methyl-2-pyrrolidone - 872-50-4	30.	
Third Party Formulation (TP # 1172167) -	54.	

Persistent Organic Pollutants

Not applicable.

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable.

International Inventories

TSCA	Contact supplier for inventory compliance status.
DSL/NDL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
IECSC	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No information available.

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under sections 2 and 3

H225 - Highly flammable liquid and vapor
H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation

H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H360D - May damage the unborn child
H361d - Suspected of damaging the unborn child
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H411 - Toxic to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorization:

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	-	Skin designation

Key literature references and sources for data

www.ChemADVISOR.com/

Prepared By Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

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This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet