

SHERWIN-WILLIAMS

SAFETY DATA SHEET

Date of issue/ Date of revision : 2015-02-18.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : Beckry Clear 10
Product code : UM1178-0010
Product type : UV Clear Top

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

Product use Industrial PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) and Painting-related materials.

1.3 Details of the supplier of the safety data sheet

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Fax: +46 (0)381 261 95
info.acroma@sherwin.com

e-mail address of person responsible for this SDS : acroma.envir@sherwin.com

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

- Rep. of Belarus** : Sherwin-Williams BEL
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aaroni@wfsupplies.co.nz

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.4 Emergency telephone number

Telephone number : Sherwin-Williams Sweden, +46 (0)381 262 59, +46 (0)381 262 34, +46 (0)381 262 75

Hours of operation : Monday-Friday 08.00-16.30 CET

Emergency telephone number of official advisory body :

Australia: 000	Belarus: 103	Canada: 911	China: 120	Hong Kong: 999
Indonesia: 118/119	Malaysia: 999	New Zealand: 111	Philippines: 117	Russia: 03
Taiwan: 119	Thailand: 1669	Ukraine: 103/112	Vietnam: 115	USA: 911
Serbia: 94/112	Bosnia-Herzegovina: 124	Macedonia: 194		

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Directive 1999/45/EC [DPD]

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Xi; R36/37/38
R43
N; R51/53

Human health hazards : Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact.

Environmental hazards : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard symbol or symbols : 

Indication of danger : Irritant, Dangerous for the environment

Risk phrases : R36/37/38- Irritating to eyes, respiratory system and skin.
R43- May cause sensitization by skin contact.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases : S24- Avoid contact with skin.
S37- Wear suitable gloves.

Hazardous ingredients : 1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate
Ethanol, 2,2',2''-(propylidynetris(methyleneoxy))tri-, triacrylate
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid
2-Propenoic acid, 1,1'-[(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)]] ester, reaction products with diethylamine

Supplemental label elements : Not applicable.

2.3 Other hazards

Other hazards which do not result in classification : Not available

SECTION 3: Composition/information on ingredients

Substance/mixture : Mixture

Product/ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
Propylene glycol diacrylate	REACH #: 01-2119484613-34 EC: 256-032-2 CAS: 42978-66-5 Index: 607-249-00-X	30-40	Xi; R36/37/38 R43 N; R51/53	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Chronic 2, H411	[1]
Ethanol, 2-amino-, polymer with .alpha.-hydro.-omega.-[(1-oxo-2propenyl)oxy]poly(oxy-1,2-ethanediyl)ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1)	CAS: 188012-57-9	15-20	Xi; R36	Eye Irrit. 2, H319	[1]
Ethoxylated trimethylolpropane triacrylate	REACH #: 01-2119489900-30 EC: 500-066-5 CAS: 28961-43-5	2,5-5	Xi; R36 R43	Eye Irrit. 2, H319 Skin Sens. 1, H317	[1]
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane, 2-propenoate	REACH #: 01-2119490020-53 EC: 500-130-2 CAS: 55818-57-0	2,5-5	R43	Skin Sens. 1, H317	[1]
Benzophenone	EC: 204-337-6 CAS: 119-61-9	1-2,5	Xn; R48/22 N; R51/53	STOT RE 2, H373 Aquatic Chronic 2, H411	[1]
Talc/C.I. Pigment White 26	EC: 238-877-9 CAS: 14807-96-6	1-2,5	Not classified.	Not classified.	[2]
2-propenoic acid, 1-1'-((1-methyl-1,2-ethanediyl)bis(oxy(methyl-2,1-ethanediyl)))ester, reaction products with diethylamine	REACH #: 01-2119961351-42 CAS: 111497-86-0	0,5-1	Xi; R36/38 R43	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317	[1]
Naphtha (petroleum), hydrosulfurized heavy	EC: 265-185-4 CAS: 64742-82-1 Index: 649-330-00-2	0,05-0,1	R10 Xn; R65 R66, R67 N; R51/53 See Section 16 for the full text of the R-phrases declared above.	Flam. Liq. 3, H226 STOT SE 3, H336i Asp. Tox. 1, H304 Aquatic Chronic 2, H411 See Section 16 for the full text of the H statements declared above.	[1]

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, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

General

: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

Eye contact

: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 5 minutes, keeping eyelids open.

Inhalation

: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Skin contact

: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. In case of accidental skin contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of skin.

SECTION 4: First aid measures

- Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. 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.

4.2 Most important symptoms and effects, both acute and delayed

There are no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 3 and 15 for details.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact. Acrylate components of the preparation have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermatitis etc. May cause allergic skin reactions with repeated exposure.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.

Ingestion may cause nausea, weakness and central nervous system effects.

Contains (1-methyl-1,2-ethanediy)bis[oxy(methyl-2,1-ethanediy)] diacrylate, Propylidynetrimethanol, ethoxylated, esters with acrylic acid, 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid, 2-Propenoic acid, 1,1'-[(1-methyl-1,2-ethanediy)bis[oxy(methyl-2,1-ethanediy)]] ester, reaction products with diethylamine. May produce an allergic reaction.

The following products have sensitizing properties: (1-methyl-1,2-ethanediy)bis[oxy(methyl-2,1-ethanediy)] diacrylate, Propylidynetrimethanol, ethoxylated, esters with acrylic acid, 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid, 2-Propenoic acid, 1,1'-[(1-methyl-1,2-ethanediy)bis[oxy(methyl-2,1-ethanediy)]] ester, reaction products with diethylamine. Cases of hypersensitivity may occur, possibly with cross-sensitization to other acrylate materials.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
Not available

See toxicological information (Section 11)

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media** : Recommended: alcohol-resistant foam, CO₂ blanket, powders, water spray or mist.
- Unsuitable extinguishing media** : Do not use water jet.

5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

5.3 Advice for firefighters

- Special protective actions for fire-fighters** : Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.
- Special protective equipment for fire-fighters** : Appropriate breathing apparatus may be required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : Exclude sources of ignition and ventilate the area. Avoid breathing vapor or mist. Refer to protective measures listed in sections 7 and 8.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures.

- 6.2 Environmental precautions** : Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

- 6.3 Methods and materials for containment and cleaning up** : 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). Preferably clean with a detergent. Avoid using solvents.

- 6.4 Reference to other sections** : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Persons with a history of skin sensitization problems should not be employed in any process in which this product is used.

- 7.1 Precautions for safe handling** : Use only in well-ventilated areas.
Keep away from heat, sparks and flame.
Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Avoid inhalation of dust from sanding.
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
Put on appropriate personal protective equipment (see Section 8).
Never use pressure to empty. Container is not a pressure vessel.
Always keep in containers made from the same material as the original one.
Comply with the health and safety at work laws.

- 7.2 Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations.
Notes on joint storage
Keep away from: oxidizing agents, strong alkalis, strong acids.
Additional information on storage conditions
Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight.
Keep container tightly closed.
Keep away from sources of ignition. No smoking. Prevent unauthorized access.
Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep only in the original container.

7.3 Specific end use(s)

- Recommendations** : Not available
- Industrial sector specific solutions** : Not available

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
Europe	

SECTION 8: Exposure controls/personal protection

alc

ACGIH TLV (United States, 4/2014).

TWA: 0,1 f/cc 8 hour(s). Form: Respirable fibers: length greater than 5 uM; aspect ratio equal to or greater than 3:1 as determined by the membrane filter method at 400-450X magnification (4-mm objective) phase contrast illumination.

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Derived effect levels

Product/ingredient name	Type	Exposure	Value	Population	Effects
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	DNEL	Long term Dermal	0,8 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	16,2 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	0,48 mg/kg bw/day	-	Systemic
	DNEL	Long term Inhalation	4,9 mg/m ³	-	Systemic
	DNEL	Long term Oral	1,39 mg/kg bw/day	-	Systemic

Predicted effect concentrations

Product/ingredient name	Type	Compartment Detail	Value	Method Detail
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	PNEC	Fresh water	0,00195 mg/l	-
	PNEC	Marine	0,000195 mg/l	-
	PNEC	Sediment	0,0082 mg/kg	-
	PNEC	Soil	0,00587 mg/kg	-
	PNEC	Sewage Treatment Plant	10 mg/l	-

8.2 Exposure controls

Appropriate engineering controls : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory protection must be worn.

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. Contaminated work clothing should not be allowed out of the workplace. 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 : Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

Gloves : Gloves must be worn for all work that may result in soiling. Wear suitable gloves tested to EN374. Recommended: Nitrile gloves. For specific applications, it is recommended to check the chemical resistance of the protective gloves mentioned above with the glove manufacturer. Do not wear the same gloves for other work. The recommendation for the type or types of glove to use when handling this product is based on information from the following source: European Solvents Industry Group (ESIG) & AnsellPro. 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.

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.

SECTION 8: Exposure controls/personal protection

- Respiratory protection** : In situations where misting or flying may occur, use appropriate certified respirators.
Recommended : particulate filter, P2-P3
Environmental exposure controls : Do not allow to enter drains or watercourses.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

- Physical state** : Liquid.
Odor : Faint odor.
Odor threshold : Not available (Not tested)
pH : Not applicable. (non-aqueous preparation)
Melting point/freezing point : Not available (Not tested)
Initial boiling point and boiling range : Not available (Not tested)
Flash point : Closed cup: >105°C [ASTM 6450]
Evaporation rate : Not applicable. UV Product
Flammability (solid, gas) : Not applicable. UV Product
Burning time : Not available (Not tested)
Burning rate : Not available (Not tested)
Upper/lower flammability or explosive limits : Not applicable. UV Product
Vapor pressure : Not available (Not tested)
Vapor density : Not available (Not tested)
Relative density : 1,16 g/cm³
Solubility(ies) : Not available (Not tested)
Partition coefficient: n-octanol/water : Not available (Not tested)
Auto-ignition temperature : Not available (Not tested)
Decomposition temperature : Not available (Not tested)
Viscosity : 700-900 mPas
Explosive properties : Under normal conditions of storage and use, hazardous reactions will not occur.
Oxidizing properties : Under normal conditions of storage and use, hazardous reactions will not occur.
VOC content
g/l : 13
% : 1,2
Dry content (%) : 98
Gloss (G60°) : 8 - 15

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

- 10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability : Hazardous reactions or instability may occur under certain conditions of storage or use.
10.3 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid : This preparation contains materials which are unstable under the following conditions: exposure to heat, strong UV sources. These could cause the product to polymerize exothermically. Unintentional contact with them should be avoided.
10.5 Incompatible materials : Keep away from: free radical initiators, peroxides, strong alkalis, reactive metals.

SECTION 10: Stability and reactivity

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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

There are no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 3 and 15 for details.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact. Acrylate components of the preparation have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermatitis etc. May cause allergic skin reactions with repeated exposure. If splashed in the eyes, the liquid may cause irritation and reversible damage. The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system effects.

Contains (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate, Propylidynetrimethanol, ethoxylated, esters with acrylic acid, 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid, 2-Propenoic acid, 1,1'-[(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)]] ester, reaction products with diethylamine. May produce an allergic reaction.

The following products have sensitizing properties: (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate, Propylidynetrimethanol, ethoxylated, esters with acrylic acid, 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid, 2-Propenoic acid, 1,1'-[(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)]] ester, reaction products with diethylamine. Cases of hypersensitivity may occur, possibly with cross-sensitization to other acrylate materials.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	LD50 Dermal	Rabbit	>2 g/kg	-
Ethanol, 2,2',2''-(propylidynetris(methyleneoxy))tri-, triacrylate	LD50 Oral	Rat	6200 mg/kg	-
	LD50 Dermal	Rabbit	>13 g/kg	-
Benzophenone	LD50 Oral	Rat	>2000 mg/kg	-
	LD50 Dermal	Rabbit	3535 mg/kg	-
	LD50 Oral	Rat	>10 g/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	Eyes - Severe irritant	Rabbit	-	-	-
Ethanol, 2,2',2''-(propylidynetris(methyleneoxy))tri-, triacrylate	Skin - Moderate irritant	Rabbit	-	-	-
	Eyes - Moderate irritant	Rabbit	-	-	-
Talc	Skin - Moderate irritant	Rabbit	-	-	-
	Skin - Mild irritant	Human	-	-	-

Sensitization

Product/ingredient name	Route of exposure	Species	Result
Ethanol, 2,2',2''-(propylidynetris(methyleneoxy))tri-, triacrylate	skin	Mammal - species unspecified	Sensitizing
2-Propenoic acid, 1,1'-[(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)]] ester, reaction products with diethylamine	skin	Mammal - species unspecified	Sensitizing

SECTION 11: Toxicological information

Other information : Not available

SECTION 12: Ecological information

12.1 Toxicity

There are no data available on the preparation itself.
Do not allow to enter drains or watercourses.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See sections 3 and 15 for details.

Product/ingredient name	Result	Species	Exposure
Ethanol, 2,2',2''-(propylidynetris(methyleneoxy))tri-, triacrylate Benzophenone	EC50 2,2 mg/l	Algae - Desmodesmus subspicatus	72 hours
	EC50 70,7 mg/l	Daphnia - Daphnia magna	48 hours
	LC50 1,95 mg/l	Fish - Brachydanio rerio	96 hours
	Acute LC50 10,89 to 12,31 mg/L Fresh water	Fish - Pimephales promelas - LARVAE - <24 hours	96 hours

12.2 Persistence and degradability

Conclusion/Summary : Not available

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Benzophenone	-	-	Not readily

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Benzophenone	3,18	3.4 to 9.2	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available

Mobility : Not available

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

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

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Do not allow to enter drains or watercourses.

Dispose of according to all federal, state and local applicable regulations.

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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.

European waste catalogue (EWC) : 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances

Hazardous waste : Yes.

Packaging

SECTION 13: Disposal considerations

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Ensure packaging is completely empty before recycling. Dispose of uncured residues in the same way as the product itself.

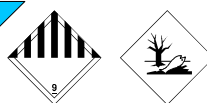
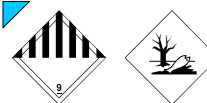
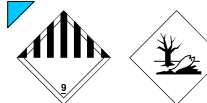
Plastic. EWC 15 01 02 plastic packaging

Metal. EWC 15 01 04 metallic packaging

Special precautions : 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.

Contaminated packaging : EWC 15 01 10* packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number	3082	3082	3082
14.2 UN proper shipping name	Environmentally hazardous substance, liquid,n.o.s (tripropyleneglycoldiacrylate)	Environmentally hazardous substance, liquid,n.o.s (tripropyleneglycoldiacrylate)	Environmentally hazardous substance, liquid,n.o.s (tripropyleneglycoldiacrylate)
14.3 Transport hazard class(es)	9 	9 	9 
14.4 Packing group	III	III	III
14.5 Environmental hazards	Yes.	Yes.	Yes.
14.6 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.	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.	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.
Additional information	Tunnel code (E)	Emergency schedules (EmS) F-A,S-F	-

SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Other EU regulations

Europe inventory : Not determined.

Black List Chemicals : Not listed

SECTION 15: Regulatory information

- Priority List Chemicals** : Not listed
- Integrated pollution prevention and control list (IPPC) - Air** : Not listed
- Integrated pollution prevention and control list (IPPC) - Water** : Not listed
- Industrial use** : The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.
- International regulations**
- Chemical Weapons Convention List Schedule I Chemicals** : Not listed
- Chemical Weapons Convention List Schedule II Chemicals** : Not listed
- Chemical Weapons Convention List Schedule III Chemicals** : Not listed
- 15.2 Chemical Safety Assessment** : This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

CEPE code : 4

✔ Indicates information that has changed from previously issued version.

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number

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

Skin Irrit. 2, H315
Eye Irrit. 2, H319
Skin Sens. 1, H317
STOT SE 3, H335
Aquatic Chronic 2, H411

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Full text of abbreviated H statements : H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336i May cause drowsiness and dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

SECTION 16: Other information

Full text of classifications [CLP/GHS] : Aquatic Chronic 2, H411 AQUATIC TOXICITY (CHRONIC) - Category 2
Asp. Tox. 1, H304 ASPIRATION HAZARD - Category 1
Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Flam. Liq. 3, H226 FLAMMABLE LIQUIDS - Category 3
Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1, H317 SKIN SENSITIZATION - Category 1
STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Respiratory tract irritation] - Category 3

STOT SE 3, H336i SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): INHALATION [Narcotic effects] - Category 3

Full text of abbreviated R phrases : R10- Flammable.
R48/22- Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R65- Harmful: may cause lung damage if swallowed.
R36- Irritating to eyes.
R36/38- Irritating to eyes and skin.
R36/37/38- Irritating to eyes, respiratory system and skin.
R43- May cause sensitization by skin contact.
R66- Repeated exposure may cause skin dryness or cracking.
R67- Vapors may cause drowsiness and dizziness.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of classifications [DSD/DPD] : Xn - Harmful
Xi - Irritant
N - Dangerous for the environment

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Version : 1.11

Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.