

MATERIAL SAFETY DATA SHEET

fill-it: epoxy resin

resin⁸

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

1.1 Product identifier:	Product name: Resin8 fill-it casting resin
	Product form: Mixtures
	Type of product: Resin
1.2 Relevant identified uses of the substance or mixture and uses advised against:	
1.2.1 Relevant identified uses	
	Intended for general public
	Main use category: Industrial use
	Industrial/Professional use spec.: Intended for general public
	Use of the substance/mixture: Industrial laminating resin, casting, injection, winding, infusion, gluing, foaming, coatings, sealants, jewellery
1.2.2 Uses advised against	No additional information available
1.3 Details of the supplier of the safety data sheet	Resin8 Craft Supplies Ltd Withytree Farm Broadway Road Winchcombe Gloucestershire GL54 5NT United Kingdom Phone: 01242 603624 Email: info@resin8.co.uk Web: www.resin8.co.uk
1.4 Emergency telephone number:	0044 (0) 1242 603624 (Monday-Friday 09:00 – 17:00) National Poisons Information Service Edinburgh: 0344 892 0111, Little France Crescent, Edinburgh, EH16 4SA Guy's & St Thomas' Poisons Unit: 0870 243 2241, Avonley Road, London, SE14 5ER

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:	
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Sensitisation — Skin, Category 1	H317
Hazardous to the aquatic environment - Chronic Hazard, Category 2	H411
Full text of H statements:	see section 16
Adverse physicochemical, human health and environmental effects:	No additional information available
2.2 Label elements:	
Label elements according to Regulation (EC) No. 1272/2008 [CLP]	
Hazard pictograms:	GHS07: Exclamation mark GHS09: Environmental

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Signal words: Warning

Hazardous ingredients: C13/C15-Alkylglycidylether; reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)

Hazard statements: H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H411: Toxic to aquatic life with long lasting effects.

Precautionary statements: P102: Keep out of reach of children.
P270: Do not eat, drink or smoke when using this product.
P301+P310: IF SWALLOWED: immediately call a POISON CENTRE or doctor/physician
P281: Use personal protective equipment as required
P305 + 351 + 338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303+P361+P338: IF ON SKIN (or hair): Remove/Take off immediately contaminated clothing. Rinse skin with water/shower
P501: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and /or international regulation.

EUH-statements: EUH205 - Contains epoxy constituents. May produce an allergic reaction.

2.3 Other hazards:
Other hazards not contributing to the classification: None under normal conditions.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:
Not applicable

3.2 Mixture:

Name	Product identifier	%	Classification according to Regulation (EC) No.
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	(CAS No) 25068-38-6 (EC No) 500-033-5 (EC Index No) 603-074-00-8 (REACH-no) 01-2119456619-26	60 - 80	Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
C13/C15-Alkylglycidylether	(CAS No) 68081-84-5 (EC No) 268-358-2 (REACH-no) 01-2119962192-39	20 - 40	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411

Specific concentration limits:		
Name	Product identifier	Specific concentration limits
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	(CAS No) 25068-38-6 (EC No) 500-033-5 (EC Index No) 603-074-00-8 (REACH-no) 01-2119456619-26	(C ≥ 5) Skin Irrit. 2, H315 (C ≥ 5) Eye Irrit. 2, H319

SECTION 4: FIRST AID MEASURES

<p>4.1 Description of first aid measures: First-aid measures general: First-aid measures after inhalation:</p>	<p>If exposed or concerned: Get medical advice/attention. Allow the victim to rest. Assure fresh air breathing. Give oxygen or artificial respiration if necessary. If breathing stops, give artificial respiration. Call a POISON CENTER or doctor/physician.</p>
<p>First-aid measures after skin contact:</p>	<p>Take off contaminated clothes, wash skin with plenty of water or have a shower (during minimum 15 minutes) and if necessary take medical advice. Be careful, the product may remain trapped under clothing, footwear or a wrist-watch. Do not use solvents or thinners. If on skin and if skin irritation or rash occurs, seek medical advice and attention.</p>
<p>First-aid measures after eye contact:</p>	<p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist immediately.</p>
<p>First-aid measures after ingestion:</p>	<p>Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.</p>
<p>4.2 Most important symptoms and effects, both acute and delayed:</p>	
<p>Symptoms/injuries after inhalation:</p>	<p>May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.</p>
<p>Symptoms/injuries after skin contact:</p>	<p>Causes skin irritation. May cause moderate irritation. This material or its emissions may induce an allergic or sensitization reaction and thereby aggravate existing systemic disease.</p>
<p>Symptoms/injuries after eye contact:</p>	<p>Causes eye irritation. May cause moderate irritation, including burning sensation, tearing, redness or swelling.</p>
<p>4.3 Indication of any immediate medical attention and special treatment needed:</p>	
<p>For the Anti-Poison Center indicate all the components including the non-dangerous ones to obtain (when possible) a total of 100 %..</p>	

SECTION 5: FIREFIGHTING MEASURES

<p>5.1 Extinguishing Media</p>	
<p>Suitable extinguishing media:</p>	<p>Carbon Dioxide. Water spray. Dry powder. Alcohol resistant foam.</p>
<p>Unsuitable extinguishing media:</p>	<p>Do not use a heavy water stream.</p>

5.2	Special hazards arising from the substance or mixture	
	Explosion Hazard:	Heat may cause pressure rise with explosion of tanks/drums.
	Hazardous decomposition products in case of fire:	
	Carbon Dioxide. Carbon Monoxide. Nitrogen Oxides. Toxic fumes.	
5.3	Advice for firefighters	
	Firefighting instructions:	Evacuate the danger area. Exercise caution when fighting chemical fire. Use water spray or fog for cooling exposed containers. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	any	
	Protection during firefighting:	Do not enter fire area without proper protective equipment, including respiratory protection.
	Other information:	Exercise caution when fighting any chemical fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions, protective equipment and emergency procedures:	
6.1.1	For non-emergency personnel	
	Immediately contact emergency personnel. Keep unnecessary personnel away.	
	Use suitable protective equipment. Follow all firefighting procedures.	
	Protective equipment:	Manipulations are to be done only by qualified and authorized persons. Wear recommended personal protective equipment.
	Emergency procedures:	If a major spill occurs, all personnel should be immediately evacuated and the area ventilated.
6.1.2	For emergency responders	
	Protective equipment:	Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection. Wear proper protective equipment.
	Emergency procedures:	Stop release. Place in an appropriate container and dispose of the contaminated material at a licensed site.
6.2	Environmental precautions:	
	Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.	
6.3	Methods and material for containment and cleaning up:	
	Methods for cleaning up:	Clean up any spills as soon as possible, using an absorbent material to collect it. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.
6.4	Reference to other sections:	
	Concerning personal protective equipment to use, see section 8.	
	Concerning disposal elimination after cleaning, see section 13.	

SECTION 7: HANDLING AND STORAGE

7.1	Handling:	
	Precautions for safe handling:	Use only outdoors or in a well-ventilated area. Do not get in eyes, on skin, or on clothing. Do not handle until all safety precautions have been read and understood.
	Hygiene measures:	Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with

		mild soap and water before eating, drinking or smoking and when leaving work.
7.2	Conditions for safe storage, including any incompatibilities:	
	Storage conditions:	Store, if possible, in a cool, well ventilated place away from incompatible materials. Keep container closed when not in use.
	Incompatible products:	Oxidizing agent. Strong bases. Strong acids.
	Storage area:	Store in a well-ventilated place.
	Special rules on packaging:	Store in a closed container.
7.3	Specific end use(s):	
	No additional information available.	

SECTION 8: EXPOSURE CONTROLS

8.1	Control parameters:	No additional information available.
8.2	Exposure controls:	
	<i>Personal Protective Equipment</i>	
		Avoid all unnecessary exposure. Gas mask. Protective clothing. In case of splash hazard: safety glasses. Gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
	<i>Hand protection</i>	
		Nitrile-rubber protective gloves. Chemical resistant gloves (according to European standard NF EN 374 or equivalent)
	<i>Eye protection</i>	
		Chemical goggles or face shield
	<i>Skin and body protection</i>	
		Wear suitable protective clothing
	<i>Respiratory protection</i>	
		Wear respiratory protection. Gas mask with filter type A
	<i>Consumer exposure controls</i>	
		Avoid contact during pregnancy/while nursing.
	<i>Other information</i>	
		Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information on basic physical and chemical properties:	
	Physical state:	Liquid
	Appearance:	Clear, colorless liquid
	Colour:	Colorless
	Odour:	Slight
	Odour threshold:	No data available
	pH:	No data available

Relative evaporation rate (butylacetate=1):	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash point:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	No data available
Vapour pressure:	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	1.1
Relative density of saturated gas/air mixture:	1.1
Solubility:	No data available
Log Pow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	1~000 mPa .s
Explosive properties:	No data available
Oxidising properties:	No data available
Explosive limits:	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:	No dangerous reactions known under normal conditions of use.
10.2 Chemical stability	Stable in use and storage conditions as recommended in item 7.
10.3 Possibility of hazardous reactions	Refer to section 10.1 on Reactivity.
10.4 Conditions to avoid	No data available.
10.5 Incompatible materials	Strong acids. Oxidizing agent. Strong bases. Amines.
10.6 Hazardous decomposition products	Carbon dioxide. Carbon monoxide. Nitrogen oxides. Toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute toxicity:	Not classified
ATE CLP (oral)	500.000 mg/kg bodyweight
ATE CLP (dermal)	1100.000 mg/kg bodyweight
C13/C15-Alkylglycidylether (68081-84-5)	
LD50 oral rat > 5000 mg/kg	
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) (25068-38-6)	
LD50 oral rat 11400 mg/kg	
LD50 oral ≈ 2000 mg/kg	
LD50 dermal rabbit > 2000 mg/kg	

Skin corrosion/irritation:	Causes skin irritation.
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitisation:	May cause an allergic skin reaction.
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT-single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

SECTION 12: ECOLOGICAL INFORMATION





Ecotoxicity Data	
12.1 Toxicity	
Ecology - general:	No data
Ecology - air:	No data
Ecology - water:	No data
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) (25068-38-6)	
LC50 fish 1	1.3 mg/l
EC50 Daphnia 1	2.1 mg/l
EC50 72h algae (1)	11 mg/l
12.2 Persistence and degradability	
FILL-IT EPOXY RESIN	
Persistence and degradability	No data.
C13/C15-Alkylglycidylether (68081-84-5)	
Persistence and degradability	No data.
12.3 Bioaccumulative potential	
FILL-IT EPOXY RESIN	
Bioaccumulative potential	No data.
C13/C15-Alkylglycidylether (68081-84-5)	
Bioaccumulative potential	No data.
12.4 Mobility in soil	
FILL-IT EPOXY RESIN	
Ecology - soil	No data.
C13/C15-Alkylglycidylether (68081-84-5)	
Ecology - soil	No data.
12.5 Results of PBT and vPvB assessment	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
12.6 Other adverse effects	
No data	

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:	
Waste treatment methods:	Do not flush down sewers. Dispose of this material and its container at hazardous or special waste collection point.
Product/Packaging disposal	

recommendations:	Recycle or dispose of in compliance with current legislation.
Ecology - waste materials:	Avoid release to the environment
Consult your local or regional authorities.	



SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / AND	
14.1 UN number	
UN-No. (ADR):	3082
UN-No. (IMDG):	3082
UN-No. (IATA):	3082
UN-No. (ADN):	3082
UN-No. (RID):	3082
14.2 UN proper shipping name	
Proper Shipping Name (ADR):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IMDG):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IATA):	Environmentally hazardous substance, liquid, n.o.s.
Proper Shipping Name (ADN):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (RID):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport document description (ADR):	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, (E)
Transport document description (IMDG):	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, MARINE POLLUTANT
Transport document description (IATA):	UN 3082 Environmentally hazardous substance, liquid, n.o.s., 9, III
Transport document description (ADN):	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
Transport document description (RID):	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
14.3 Transport hazard class (es)	
ADR	
Transport hazard class(es) (ADR):	9
Danger labels (ADR):	9
	 
IMDG	
Transport hazard class(es) (IMDG):	9
Danger labels (IMDG):	9
	 
IATA	

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Transport hazard class(es) (IATA):	9	
Hazard labels (IATA):	9	
ADN		
Transport hazard class(es) (ADN):	9	
Danger labels (ADN):	9	
RID		
Transport hazard class(es) (RID):	9	
Danger labels (RID):	9	
14.4	Packing group	
	Packing group (ADR):	III
	Packing group (IMDG):	III
	Packing group (IATA):	III
	Packing group (ADN):	III
	Packing group (RID):	III
14.5	Environmental hazards	
	Dangerous for the environment:	Yes
	Marine pollutant:	Yes
	Other information:	No supplementary information available
14.6	Special precautions for user	
	<i>Overland transport</i>	
	Classification code (ADR):	M6
	Special provisions (ADR):	274, 335, 601, 375
	Limited quantities (ADR):	5L
	Excepted quantities (ADR):	E1
	Packing instructions (ADR):	P001, IBC03, LP01, R001
	Special packing provisions (ADR):	PP1
	Mixed packing provisions (ADR):	MP19
	Portable tank and bulk container instructions (ADR):	T4
	Portable tank and bulk container special provisions (ADR):	TP1, TP29
	Tank code (ADR):	LGBV
	Vehicle for tank carriage:	AT
	Transport category (ADR):	3
	Special provisions for carriage -packages (ADR):	V12
	Special provisions for carriage -loading, unloading and handling (ADR):	CV13
	Hazard identification number	

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(Kemler No.):	90	90 3082
Orange plates:		
Tunnel restriction code (ADR):	E	
EAC code:	•3Z	
<i>Transport by sea</i>		
Special provisions (IMDG):	274, 335, 969	
Limited quantities (IMDG):	5L	
Excepted quantities (IMDG):	E1	
Packing instructions (IMDG):	P001, LP01	
Special packing provisions (IMDG):	PP1	
IBC packing instructions (IMDG):	IBC03	
Tank instructions (IMDG):	T4	
Tank special provisions (IMDG):	TP2, TP29	
EmS-No. (Fire):	F-A	
EmS-No. (Spillage):	S-F	
Stowage category (IMDG):	A	
<i>Air transport</i>		
PCA Excepted quantities (IATA):	E1	
PCA Limited quantities (IATA):	Y964	
PCA limited quantity max net quantity (IATA):	30kgG	
PCA packing instructions (IATA):	964	
PCA max net quantity (IATA):	450L	
CAO packing instructions (IATA):	964	
CAO max net quantity (IATA):	450L	
Special provisions (IATA):	A97, A158, A197	
ERG code (IATA):	9L	
<i>Inland waterway transport</i>		
Classification code (ADN):	M6	
Special provisions (ADN):	274, 335, 375, 601	
Limited quantities (ADN):	5L	
Excepted quantities (ADN):	E1	
Carriage permitted (ADN):	T	
Equipment required (ADN):	PP	
Number of blue cones/lights (ADN):	0	
<i>Rail transport</i>		
Classification code (RID):	M	
Special provisions (RID):	274, 335, 375, 601	
Limited quantities (RID):	5L	
Excepted quantities (RID):	E1	
Packing instructions (RID):	P001, IBC03, LP01, R001	
Special packing provisions (RID):	PP1	

Mixed packing provisions (RID):	MP19
Portable tank and bulk container instructions (RID):	T4
Portable tank and bulk container special provisions (RID):	TP1, TP29
Tank codes for RID tanks (RID):	LGBV
Vehicle for tank carriage:	AT
Transport category (RID):	3
Special provisions for carriage -packages (RID):	W12
Special provisions for carriage -loading, unloading and handling (RID):	CW13, CW31
Colis express (express parcels) (RID):	CE8
Hazard identification number (RID):	90
14.7 Transport in bulk according to Annex !! or Marpol and the IBC code	
IBC code:	Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
15.1.1 EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
15.1.2 National Regulations
No additional information available.
15.2 Chemical safety assessment
Not applicable

SECTION 16: OTHER INFORMATION

Indication of changes:	Revision - See : *
Data sources:	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information:	Information in this safety data sheet is based on actual knowledge in our possession and our experience. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. It is the user's responsibility to take mentioned precaution measures and ensure that this information is complete and sufficient for the use of this product.
Full text of H- and EUH-statements:	
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
H315	Causes skin irritation

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H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects
EUH205	Contains epoxy constituents. May produce an allergic reaction

SDS EU (REACH Annex II)
This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

i *The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.*

MATERIAL SAFETY DATA SHEET

fill-it: epoxy hardener

resin⁸

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

1.1 Product identifier:	Product name: Resin8 fill-it epoxy hardener
	Product form: Mixtures
	Type of product: Hardener (Crosslinker)
1.2 Relevant identified uses of the substance or mixture and uses advised against:	
1.2.1 Relevant identified uses	
	Intended for general public
	Main use category: Industrial use
	Industrial/Professional use spec.: Intended for general public
	Use of the substance/mixture: Industrial laminating resin, casting, injection, winding, infusion, gluing, foaming, coatings, sealants, jewellery
1.2.2 Uses advised against	No additional information available
1.3 Details of the supplier of the safety data sheet	
	Resin8 Craft Supplies Ltd
	Withytree Farm
	Broadway Road
	Winchcombe
	Gloucestershire
	GL54 5NT
	United Kingdom
	Phone: 01242 603624
	Email: info@resin8.co.uk
	Web: www.resin8.co.uk
1.4 Emergency telephone number:	
	Resin8: +44 (1242) 603624 (UK office hours only)
	National Poisons Information Service Edinburgh: 0344 892 0111
	Little France Crescent, Edinburgh, EH16 4SA
	Guy's & St Thomas' Poisons Unit: 0870 243 2241
	Avonley Road, London, SE14 5ER


SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:	
Acute toxicity (oral), Category 4	H302
Acute toxicity (dermal), Category 4	H312
Serious eye damage/eye irritation, Category 1	H318
Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411
Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411
Full text of H statements: see section 16	
Adverse physicochemical, human health and environmental effects	
No additional information available	
2.2 Label elements:	
CLP Regulation (EC) No 1272/2008 (CLP):	
Signal words: Danger	
Hazard pictograms: GHS07	

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GHS05 GHS09	
	
Hazardous ingredients:	Propylidyntrimethanol, propoxylated, reaction products with ammonia
Hazard statements (CLP):	H302+H312 - Harmful if swallowed or in contact with skin H318 - Causes serious eye damage H411: Toxic to aquatic life with long lasting effects.
Precautionary statements:	P102: Keep out of reach of children. P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area P273 - Avoid release to the environment P281 - Use personal protective equipment as required P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting P304+P340 - IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
2.3 Other hazards:	Other hazards not contributing to the classification: None under normal conditions.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:	Not applicable			
3.2 Mixture:				
	Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
	Propylidyntrimethanol, propoxylated, reaction products with ammonia	(CAS No) 39423-51-3 (EC No) 500-105-6 (REACH-no) 01- 2119556886-20	50 - 100	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Eye Dam. 1, H318 Aquatic Chronic 2, H411

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:	
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.
First-aid measures after inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Assure fresh air breathing. Respiratory arrest: artificial respiration or oxygen. If

First-aid measures after skin contact: have	unconscious place in recovery position and seek medical advice. Wash contaminated clothing before reuse. Take off contaminated clothes, wash skin with plenty of water or a shower (during minimum 15 minutes) and if necessary take medical advice. If on skin and if skin irritation or rash occurs, seek medical advice and attention.
First-aid measures after eye contact:	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse eye with clean water for 20-30 minutes, retracting eyelids often. Consult an eye specialist if necessary.
First-aid measures after ingestion:	Rinse mouth. Do not induce vomiting because of corrosive effects. Immediately call a POISON CENTER or doctor/physician.
4.2 Most important symptoms and effects, both acute and delayed:	
Symptoms/injuries after inhalation:	Cough. May cause respiratory irritation. Severe inhalation hazard.
Symptoms/injuries after skin contact:	May cause moderate irritation.
Symptoms/injuries after eye contact:	May cause moderate irritation, including burning sensation, tearing, redness or swelling. Risk of damage to eyes.
Symptoms/injuries after ingestion:	May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.
4.3 Indication of any immediate medical attention and special treatment needed:	
	For the Anti-Poison Center indicate all the components including the non-dangerous ones to obtain (when possible) a total of 100 %.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media	
Suitable extinguishing media:	Carbon Dioxide. Water spray. Dry powder. Foam.
Unsuitable extinguishing media:	Do not use a heavy water stream.
5.2 Special hazards arising from the substance or mixture	
Fire Hazard:	Do not breathe fumes from fires or vapours from decomposition.
Hazardous decomposition products in case of fire:	Carbon Dioxide. Carbon Monoxide. Nitrogen Oxides.
5.3 Advice for firefighters	
Precautionary measures fire:	Evacuate personnel to a safe area. Do not enter fire area without proper protective equipment, including respiratory protection.
Firefighting instructions:	Exercise caution when fighting any chemical fire. Unauthorized persons are not admitted. Eliminate all ignition sources if safe to do so. Prevent fire fighting water from entering the environment.
Protection during firefighting:	Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus. Special protective equipment for fire-fighters.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:	
General measures:	No open flames. No smoking. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.
6.1.1 For non-emergency personnel	No additional information available.
6.1.2 For emergency responders	No additional information available
6.2 Environmental precautions	Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.
6.3 Methods and material for containment and cleaning up:	
Methods for cleaning up:	Clean up any spills as soon as possible, using an absorbent material to collect it. Do not allow it to enter drains or water courses.
6.4 Reference to other sections:	
	Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:	
Precautions for safe handling:	Provide good ventilation in process area to prevent formation of vapour. Avoid all unnecessary exposure. Do not handle until all safety precautions have been read and understood. Keep containers closed.
Hygiene measures:	Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
7.2 Conditions for safe storage, including any incompatibilities:	
Storage conditions:	Store in original container. Store, if possible, in a cool, well ventilated place away from incompatible materials. Keep container closed when not in use.
Incompatible products:	Oxidizing agent. Strong acids. Halogenated hydrocarbons.
Incompatible materials:	Heat sources
7.3 Specific end use(s)	
	No additional information available.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:	
	No additional information available
8.2 Exposure controls	
<i>Personal Protective Equipment</i>	
	Self-contained breathing apparatus. Gloves. Gas mask. Protective clothing. Protective goggles. High gas/vapour concentration: gas mask with filter type K.

Hand protection

Nitrile-rubber protective gloves. Chemical resistant gloves (according to European standard NF EN 374 or equivalent).

Eye protection

Chemical goggles or face shield.

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

Wear respiratory protection. High gas/vapour concentration: gas mask with filter type K.



Consumer exposure controls

Avoid contact during pregnancy/while nursing.

Other information

Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Physical state:	Liquid
Colour	Colourless to slightly yellow.
Odour:	Amine-like.
Odour threshold:	No data available
pH:	No data available
Relative evaporation rate (butylacetate=1):	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash point:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	No data available
Vapour pressure:	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	0.98
Solubility:	No data available
Log Pow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	80 mPa.s
Explosive properties:	No data available
Oxidising properties:	No data available
Explosive limits:	No data available

9.2 Other information:

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Not applicable.

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:**
No additional information available.
- 10.2 Chemical stability:**
Stable in use and storage conditions as recommended in item 7.
- 10.3 Possibility of hazardous reactions:**
No additional information available.
- 10.4 Conditions to avoid**
Heat. Open flame. Sparks.
- 10.5 Incompatible materials:**
Strong acids. Oxidizing agent. Metals. Halogenated hydrocarbons.
- 10.6 Hazardous decomposition products**
Carbon dioxide. Carbon monoxide. Nitrogen oxides.
- 10.7 Hazardous decomposition products in case of fire:**
Carbon dioxide. Carbon monoxide. Nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects:**
- Acute toxicity:** Oral: Harmful if swallowed. Dermal: Harmful in contact with skin.
- | | |
|------------------|---------------------------|
| ATE CLP (oral) | 500.000 mg/kg bodyweight |
| ATE CLP (dermal) | 1100.000 mg/kg bodyweight |
- Skin corrosion/irritation:** Not classified
- Serious eye damage/irritation:** Causes serious eye damage.
- Respiratory or skin sensitisation:** Not classified
- Germ cell mutagenicity:** Not classified
- Carcinogenicity:** Not classified
- Reproductive toxicity:** Not classified
- STOT-single exposure:** Not classified
- STOT-repeated exposure:** Not classified
- Aspiration hazard:** Not classified

SECTION 12: ECOLOGICAL INFORMATION

- Ecotoxicity Data**
- 12.1 Toxicity**
No additional information available
- 12.2 Persistence and degradability**
No additional information available
- 12.3 Bioaccumulative potential**
No additional information available
- 12.4 Mobility in soil**
No additional information available
- 12.5 Results of PBT and vPvB assessment**
No additional information available
- 12.6 Other adverse effects**

No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:
 No additional information available
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / AND

14.1 UN number:

UN-No. (ADR):	3082
UN-No. (IMDG):	3082
UN-No. (IATA):	3082
UN-No. (ADN):	3082
UN-No. (RID):	3082


14.2 UN proper shipping name

Proper Shipping Name (ADR):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IMDG):	Not applicable
Proper Shipping Name (IATA):	Not applicable
Proper Shipping Name (ADN):	Not applicable
Proper Shipping Name (RID):	Not applicable
Transport document description (ADR):	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, (E)
Transport document description (IMDG):	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, MARINE POLLUTANT
Transport document description (IATA):	UN 3082, 9
Transport document description (ADN):	UN 3082, 9
Transport document description (RID):	UN 3082, 9

14.3 Transport hazard class (es)


ADR

Transport hazard class(es) (ADR):	9
Danger labels (ADR):	9



IMDG

Transport hazard class(es) (IMDG):	9
Danger labels (IMDG):	9



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<i>IATA</i>		
Transport hazard class(es) (IATA):	9	
Hazard labels (IATA):	9	
<i>ADN</i>		
Transport hazard class(es) (ADN):	9	
Danger labels (ADN):	9	
<i>RID</i>		
Transport hazard class(es) (RID):	9	
Danger labels (RID):	9	
14.4 Packing group		
Packing group (ADR):	III	
Packing group (IMDG):	Not applicable	
Packing group (IATA):	Not applicable	
Packing group (ADN):	Not applicable	
Packing group (RID):	Not applicable	
14.5 Environmental hazards		
Dangerous for the environment:	Yes	
Marine pollutant:	Yes	
Other information:	No supplementary information available	
14.6 Special precautions for user		
<i>Overland transport</i>		
Classification code (ADR):	M6	
Limited quantities (ADR):	5L	
Excepted quantities (ADR):		E1
Vehicle for tank carriage:	AT	
Transport category (ADR):	3	
Hazard identification number (Kemler No.):	90	
Orange plates:		
Tunnel restriction code (ADR):	E	

<p><i>Transport by sea</i> No data available</p> <p><i>Air transport</i> No data available</p> <p><i>Inland waterway transport</i> No data available</p> <p><i>Rail transport</i> No data available</p> <p>14.7 Transport in bulk according to Annex II or Marpol and the IBC code Not applicable</p>
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SECTION 15: REGULATORY INFORMATION

<p>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</p> <p>15.1.1 EU-Regulations Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances</p> <p>15.1.2 National Regulations No additional information available.</p> <p>15.2 Chemical safety assessment Not applicable.</p>

SECTION 16: OTHER INFORMATION

<p>Indication of changes: Revision - See : *.</p> <p>Data sources: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.</p> <p>Other information: Information in this safety data sheet is based on actual knowledge in our possession and our experience. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. It is the user's responsibility to take mentioned precaution measures and ensure that this information is complete and sufficient for the use of this product.</p> <p>Full text of H- and EUH-statements:</p>
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Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H302	Harmful if swallowed
H312	Harmful in contact with skin
H318	Causes serious eye damage
H411	Toxic to aquatic life with long lasting effects

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

i The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.