



## SAFETY DATA SHEET Permabond UV630

1.1. Product identifier	
Product name	Permabond UV630
1.2. Relevant identified us	es of the substance or mixture and uses advised against
Identified uses	Adhesive.
1.3. Details of the supplier	of the safety data sheet
Supplier	Permabond Engineering Adhesives Ltd.
	Wessex Way
	Colden Common
	Winchester
	Hampshire. SO21 1WP
	United Kingdom
	Tel: +44 (0)1962 711 661
	Fax: +44 (0)1962 711 662
	info.europe@permabond.com
1.4. Emergency telephone	a number
Emergency telephone	UK +44 (0)1962 711 661 USA 0800 640 7599 Asia +86 (0)21 5773 4913
SECTION 2: Hazards iden	Itification

Classification (EC 1272/2008)	
Physical hazards	Not Classified
Health hazards	Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Repr. 1B - H360Df
Environmental hazards	Aquatic Chronic 2 - H411

Classification (67/548/EEC or Xn;R20. Xi;R36/37/38. R43. R52/53. 1999/45/EC)

#### 2.2. Label elements

Pictogram



Hazard statements	<ul> <li>H302 Harmful if swallowed.</li> <li>H315 Causes skin irritation.</li> <li>H317 May cause an allergic skin reaction.</li> <li>H318 Causes serious eye damage.</li> <li>H360Df May damage the unborn child. Suspected of damaging fertility.</li> <li>H411 Toxic to aquatic life with long lasting effects.</li> </ul>
Precautionary statements	<ul> <li>P202 Do not handle until all safety precautions have been read and understood.</li> <li>P273 Avoid release to the environment.</li> <li>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</li> <li>P302+P352a IF ON SKIN: Wash with plenty of soap and water</li> <li>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P308+P313 IF exposed or concerned: Get medical advice/ attention.</li> </ul>
Contains	TETRAHYDROFURFURYL METHACRYLATE, ISOBORNYL ACRYLATE, N,N- DIMETHYLACRYLAMIDE, 2-HYDROXYETHYL METHACRYLATE
Supplementary precautionary statements	<ul> <li>P264 Wash contaminated skin thoroughly after handling.</li> <li>P270 Do not eat, drink or smoke when using this product.</li> <li>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</li> <li>P362+P364 Take off contaminated clothing and wash it before reuse.</li> <li>P391 Collect spillage.</li> <li>P405 Store locked up.</li> <li>P501 Dispose of contents/container in accordance with existing Community, National and local regulations.</li> </ul>

2.3. Other hazards

None under normal conditions.

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

TETRAHYDROFURFURYL METHACRYLATE		10-30%
CAS number: 2455-24-5	EC number: 219-529-5	
Classification	Classification (67/548/EEC or 1999/45/EC)	
Repr. 1B - H360Df	Xi;R36/37/38.	
ISOBORNYL ACRYLATE		10-30%
CAS number: 5888-33-5	EC number: 227-561-6	
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification	Classification (67/548/EEC or 1999/45/EC)	
Skin Irrit. 2 - H315	Xi;R36/37/38. N;R51/53.	
Eye Irrit. 2 - H319		
Skin Sens. 1 - H317		
STOT SE 3 - H335		
Aquatic Acute 1 - H400		
Aquatic Chronic 1 - H410		

N,N-DIMETHYLACRYLAMI	DE	10-30%
CAS number: 2680-03-7	EC number: 220-237-5	
<b>Classification</b> Acute Tox. 3 - H301 Acute Tox. 3 - H311 Eye Dam. 1 - H318		<b>on (67/548/EEC or 1999/45/EC)</b> R21/22. Xi;R36.
2-HYDROXYETHYL METHA	ACRYLATE	5-10%
CAS number: 868-77-9	EC number: 212-782-2	REACH registration number: 01- 2119490169-29-XXXX
<b>Classification</b> Eye Irrit. 2 - H319 Skin Sens. 1 - H317	<b>Classificati</b> R43 Xi;R36	on (67/548/EEC or 1999/45/EC) 6/38
DIPHENYL(2,4,6-TRIMETHY OXIDE	YLBENZOYL)PHOSPHINE	1-<3%
CAS number: 75980-60-8	EC number: 278-355-8	
Classification Skin Sens. 1B - H317		<b>on (67/548/EEC or 1999/45/EC)</b> 3;R62. N;R51/53.
Repr. 2 - H361f Aquatic Chronic 2 - H411		
Aquatic Chronic 2 - H411	s and Hazard Statements are Displayed in Se	ection 16.
Aquatic Chronic 2 - H411		ection 16.
Aquatic Chronic 2 - H411 The Full Text for all R-Phrase SECTION 4: First aid measur 4.1. Description of first aid me	es pasures	
Aquatic Chronic 2 - H411 The Full Text for all R-Phrase SECTION 4: First aid measur 4.1. Description of first aid me	es easures Move the exposed person to fresh air. Get	medical attention if any discomfort continues.
Aquatic Chronic 2 - H411 The Full Text for all R-Phrase SECTION 4: First aid measur 4.1. Description of first aid me	es easures Move the exposed person to fresh air. Get Never give anything by mouth to an uncons	
Aquatic Chronic 2 - H411 The Full Text for all R-Phrase SECTION 4: First aid measur 4.1. Description of first aid me	es easures Move the exposed person to fresh air. Get Never give anything by mouth to an uncons Give plenty of water to drink. Do not induce	medical attention if any discomfort continues. scious person. Rinse mouth thoroughly with water. e vomiting. Get medical attention immediately. y and wash skin with soap and water. Get medical
Aquatic Chronic 2 - H411 The Full Text for all R-Phrase SECTION 4: First aid measur 4.1. Description of first aid me Inhalation Ingestion Skin contact	Move the exposed person to fresh air. Get Never give anything by mouth to an uncons Give plenty of water to drink. Do not induce Remove contaminated clothing immediatel attention promptly if symptoms occur after Remove any contact lenses and open eyel	medical attention if any discomfort continues. scious person. Rinse mouth thoroughly with water. e vomiting. Get medical attention immediately. y and wash skin with soap and water. Get medical washing. ids wide apart. Promptly wash eyes with plenty of
Aquatic Chronic 2 - H411 The Full Text for all R-Phrase SECTION 4: First aid measur 4.1. Description of first aid me inhalation Ingestion Skin contact Eye contact	Move the exposed person to fresh air. Get Never give anything by mouth to an uncons Give plenty of water to drink. Do not induce Remove contaminated clothing immediatel attention promptly if symptoms occur after Remove any contact lenses and open eyel	medical attention if any discomfort continues. scious person. Rinse mouth thoroughly with water e vomiting. Get medical attention immediately. y and wash skin with soap and water. Get medical washing. ids wide apart. Promptly wash eyes with plenty of
Aquatic Chronic 2 - H411 The Full Text for all R-Phrase SECTION 4: First aid measur 4.1. Description of first aid me inhalation Ingestion Skin contact Eye contact	Move the exposed person to fresh air. Get Never give anything by mouth to an uncons Give plenty of water to drink. Do not induce Remove contaminated clothing immediatel attention promptly if symptoms occur after Remove any contact lenses and open eyel water while lifting the eye lids. Continue to s and effects, both acute and delayed	medical attention if any discomfort continues. scious person. Rinse mouth thoroughly with water. e vomiting. Get medical attention immediately. y and wash skin with soap and water. Get medical washing.
Aquatic Chronic 2 - H411 The Full Text for all R-Phrase SECTION 4: First aid measur 4.1. Description of first aid me nhalation ngestion Skin contact Eye contact 4.2. Most important symptoms nhalation	Move the exposed person to fresh air. Get Never give anything by mouth to an uncons Give plenty of water to drink. Do not induce Remove contaminated clothing immediatel attention promptly if symptoms occur after Remove any contact lenses and open eyel water while lifting the eye lids. Continue to s and effects, both acute and delayed High concentrations of vapours may irritate	medical attention if any discomfort continues. scious person. Rinse mouth thoroughly with water e vomiting. Get medical attention immediately. y and wash skin with soap and water. Get medical washing. ids wide apart. Promptly wash eyes with plenty of rinse for at least 15 minutes. Get medical attentior
Aquatic Chronic 2 - H411 The Full Text for all R-Phrase SECTION 4: First aid measur 4.1. Description of first aid me Inhalation Ingestion Skin contact Eye contact 4.2. Most important symptoms	Move the exposed person to fresh air. Get Never give anything by mouth to an uncons Give plenty of water to drink. Do not induce Remove contaminated clothing immediatel attention promptly if symptoms occur after Remove any contact lenses and open eyel water while lifting the eye lids. Continue to s and effects, both acute and delayed High concentrations of vapours may irritate nausea and vomiting.	medical attention if any discomfort continues. scious person. Rinse mouth thoroughly with water e vomiting. Get medical attention immediately. y and wash skin with soap and water. Get medical washing. ids wide apart. Promptly wash eyes with plenty of rinse for at least 15 minutes. Get medical attentior e respiratory system and lead to headache, fatigue
Aquatic Chronic 2 - H411 The Full Text for all R-Phrase SECTION 4: First aid measur 4.1. Description of first aid me nhalation ingestion Skin contact Eye contact 4.2. Most important symptoms nhalation ingestion	Move the exposed person to fresh air. Get Never give anything by mouth to an uncons Give plenty of water to drink. Do not induce Remove contaminated clothing immediatel attention promptly if symptoms occur after Remove any contact lenses and open eyel water while lifting the eye lids. Continue to s and effects, both acute and delayed High concentrations of vapours may irritate nausea and vomiting. Harmful if swallowed.	medical attention if any discomfort continues. scious person. Rinse mouth thoroughly with water e vomiting. Get medical attention immediately. y and wash skin with soap and water. Get medical washing. ids wide apart. Promptly wash eyes with plenty of rinse for at least 15 minutes. Get medical attentior e respiratory system and lead to headache, fatigue
Aquatic Chronic 2 - H411 The Full Text for all R-Phrase SECTION 4: First aid measur 4.1. Description of first aid measur halation ngestion Skin contact Eye contact A.2. Most important symptoms nhalation ngestion Skin contact Eye contact Eye contact Eye contact	Move the exposed person to fresh air. Get Never give anything by mouth to an uncons Give plenty of water to drink. Do not induce Remove contaminated clothing immediatel attention promptly if symptoms occur after Remove any contact lenses and open eyel water while lifting the eye lids. Continue to s and effects, both acute and delayed High concentrations of vapours may irritate nausea and vomiting. Harmful if swallowed. Skin irritation. Mild dermatitis, allergic skin	medical attention if any discomfort continues. scious person. Rinse mouth thoroughly with water e vomiting. Get medical attention immediately. y and wash skin with soap and water. Get medica washing. ids wide apart. Promptly wash eyes with plenty of rinse for at least 15 minutes. Get medical attention e respiratory system and lead to headache, fatigue rash.

5.1. Extinguishing media	
Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising fr	om the substance or mixture
Hazardous combustion products	Burning produces irritating, toxic and obnoxious fumes. Carbon monoxide, carbon dioxide, and unknown hydrocarbons.
5.3. Advice for firefighters	
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
SECTION 6: Accidental release	e measures
6.1. Personal precautions, pro	tective equipment and emergency procedures
Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
6.2. Environmental precaution	<u>s</u>
Environmental precautions	Do not discharge into drains or watercourses or onto the ground.
6.3. Methods and material for	containment and cleaning up
Methods for cleaning up	Absorb spillage with sand or other inert absorbent. Transfer to suitable, labelled containers for disposal.
6.4. Reference to other section	ns
Reference to other sections	For personal protection, see Section 8. For waste disposal, see section 13.
SECTION 7: Handling and sto	rage
7.1. Precautions for safe hand	ling
Usage precautions	Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product.
7.2. Conditions for safe storag	e, including any incompatibilities
Storage precautions	Store in closed original container at temperatures between 5°C and 25°C. Protect against direct sunlight. Never return unused material to storage receptacle.
7.3. Specific end use(s)	
Specific end use(s)	Adhesive.
SECTION 8: Exposure Contro	Is/personal protection
8.1. Control parameters	
8.2. Exposure controls	
Protective equipment	
Appropriate engineering controls	Provide adequate general and local exhaust ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

controls

Eye/face protection

The following protection should be worn: Chemical splash goggles or face shield. Personal eye protection should conform to EN 166

Hand protection	Nitrile rubber or Viton <sup>™</sup> gloves are recommended. Cotton or other absorbent gloves should not be worn. Gloves should conform to EN 374. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.
Other skin and body protection	Employee must wear appropriate protective clothing and equipment to prevent any possibility of skin contact with this substance.
Hygiene measures	Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. Use of good industrial hygiene practices is required.
Respiratory protection	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

## **SECTION 9: Physical and Chemical Properties**

## 9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless.
Odour	Acrylic
Odour threshold	Not available.
рН	Not relevant.
Melting point	Not available.
Initial boiling point and range	Not applicable.
Flash point	>100°C
Evaporation rate	Not available.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	1.1
Solubility(ies)	Slightly soluble in water. Soluble in the following materials: Organic solvents.
Auto-ignition temperature	Not available.
Viscosity	≈250 mPa s @ 23°C
Oxidising properties	Not available.
9.2. Other information	
Other information	Not relevant.
SECTION 10: Stability and rea	activity
10.1. Reactivity	
Reactivity	The following materials may react with the product: Strong oxidising agents. Light.

## 10.2. Chemical stability

Stability

Stable at normal ambient temperatures.

10.3. Possibility of hazardous	reactions
Possibility of hazardous reactions	There are no known reactivity hazards associated with this product.
10.4. Conditions to avoid	
Conditions to avoid	Protect against direct sunlight.
10.5. Incompatible materials	
Materials to avoid	Strong reducing agents. Strong oxidising agents.
10.6. Hazardous decompositio	on products
Hazardous decomposition products	Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified organic compounds.
SECTION 11: Toxicological in	formation
11.1. Information on toxicologi	ical effects
Toxicological effects	The toxicological properties of this product have not been fully evaluated. Avoid direct contact with skin or eyes. Do not ingest or inhale.
Skin sensitisation Skin sensitisation	May cause sensitisation by skin contact.
Reproductive toxicity Reproductive toxicity - fertility	Suspected of damaging fertility.
Reproductive toxicity - development	May damage the unborn child.
Aspiration hazard Aspiration hazard	None under normal conditions.
Inhalation	In high concentrations, vapours may irritate throat and respiratory system and cause coughing.
Ingestion	Harmful if swallowed.
Skin contact	Irritating to skin.
Eye contact	Causes serious eye damage.
Toxicological information on ir	ngredients.
	TETRAHYDROFURFURYL METHACRYLATE
Acute toxicity - o	ral
Acute toxicity ora mg/kg)	al (LD₅o 4,000.0
Species	Rat

STOT - repeated exposure NOAEL 300 mg/kg, Oral, Rat

## ISOBORNYL ACRYLATE

Acute toxicity - oral	
Acute toxicity oral (LD₅₀ mg/kg)	5,000.0
Species	Rat
ATE oral (mg/kg)	5,000.0
Acute toxicity - dermal	
Acute toxicity dermal (LD₅ mg/kg)	3,000.0
Species	Rabbit
ATE dermal (mg/kg)	3,000.0
	N,N-DIMETHYLACRYLAMIDE
Acute toxicity - oral	
Acute toxicity oral (LD₅₀ mg/kg)	216.0
Species	Rat
ATE oral (mg/kg)	216.0
Acute toxicity - dermal	
Acute toxicity dermal (LD₅₀ mg/kg)	519.0
Species	Rabbit
ATE dermal (mg/kg)	519.0
Acute toxicity - inhalation	
Acute toxicity inhalation (LC₅ vapours mg/l)	3.16
Species	Rat
Skin corrosion/irritation	
Animal data	Not irritating.
Serious eye damage/irritation	on
Serious eye damage/irritation	Causes serious eye damage.
Respiratory sensitisation	
Respiratory sensitisation	No data available.
Skin sensitisation	
Skin sensitisation	Not sensitising.
Germ cell mutagenicity	

# Permabond UV630

	Genotoxicity - in vitro	Negative.	
	Carcinogenicity		
	Carcinogenicity	No data available.	
		2-HYDROXYETHYL METHACRYLATE	
	Acute toxicity - oral		
	Acute toxicity oral (LD₅₀ mg/kg)	5,000.0	
	Species	Rat	
	ATE oral (mg/kg)	5,000.0	
	Acute toxicity - dermal		
	Acute toxicity dermal (LD₅ mg/kg)	3,000.0	
	Species	Rabbit	
	ATE dermal (mg/kg)	3,000.0	
	DI	PHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE	
	Acute toxicity - oral		
	Acute toxicity oral (LD₅₀ mg/kg)	5,000.0	
	Species	Rat	
	ATE oral (mg/kg)	5,000.0	
	Acute toxicity - dermal		
	Acute toxicity dermal (LD₅₀ mg/kg)	2,000.1	
	Species	Rat	
	ATE dermal (mg/kg)	2,000.1	
SECTION 12: Ecological Information			
Ecotoxicity		aquatic life with long lasting effects.	
12.1. Toxicit	—		
-	Toxicity         There are no data on the ecotoxicity of this product.		
Ecological ir	nformation on ingredients.		
		TETRAHYDROFURFURYL METHACRYLATE	
	Acute toxicity - fish	LC₅₀, 96 hours: 34.7 mg/l, Pimephales promelas (Fat-head Minnow)	
	Acute toxicity - aquatic plants	EC₅₀, 72 hours: >100 mg/l, Desmodesmus subspicatus NOEC, 72 hours: >100 mg/l, Desmodesmus subspicatus	
	Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 37.2 mg/l, Daphnia magna	

## ISOBORNYL ACRYLATE

Acute aquatic toxicity		
LE(C) <sub>50</sub>	$0.1 < L(E)C50 \le 1$	
M factor (Acute)	1	
Acute toxicity - fish	LC₅₀, 96 hours: 0.704 mg/l, Danio rerio (Zebrafish)	
Acute toxicity - aquatic plants	EC₅₀, 72 hours: 1.98 mg/l, Pseudokirchneriella subcapitata NOEC, 72 hours: 0.405 mg/l, Pseudokirchneriella subcapitata	
Chronic aquatic toxicity		
M factor (Chronic)	1	
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 0.092 mg/l, Daphnia magna	
	N,N-DIMETHYLACRYLAMIDE	
Acute toxicity - fish	LC₅₀, 96 hours: > 120 mg/l, Onchorhynchus mykiss (Rainbow trout)	
Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: > 120 mg/l, Daphnia magna	
Acute toxicity - aquatic plants	NOEC, 72 hours: 50 mg/l, Pseudokirchneriella subcapitata	
Acute toxicity - microorganisms	EC <sub>20</sub> , 3 hours: 430 mg/l, Activated sludge	
	2-HYDROXYETHYL METHACRYLATE	
Acute toxicity - fish	LC₅₀, 96 hours: > 100 mg/l, Oryzias latipes (Red killifish)	
Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: 380 mg/l, Daphnia magna	
Acute toxicity - aquatic plants	EC₅₀, 72 hours: 836 mg/l, Selenastrum capricornutum NOEC, 72 hours: 400 mg/l, Selenastrum capricornutum	
Acute toxicity - microorganisms	EC₅₀, 16 hours: > 3000 mg/l, Pseudomonas fluorescens	
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 24.1 mg/l, Daphnia magna	
DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE		
Acute toxicity - fish	LC₅₀, 48 hours: 6.53 mg/l, Oryzias latipes (Red killifish)	
Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: 3.53 mg/l, Daphnia magna	
Acute toxicity - aquatic plants	EC₅₀, 72 hours: > 2.01 mg/l, Pseudokirchneriella subcapitata	
Acute toxicity - microorganisms	EC <sub>50</sub> , 180 minutes: > 1000 mg/l, Activated sludge	

## 12.2. Persistence and degradability

Persistence and degradability No data available.

Ecological information on ingredients.

	TETRAHYDROFURFURYL METHACRYLATE	
Persistence and degradability	The product is readily biodegradable.	
Biodegradation	- 75%: 28 days	
	ISOBORNYL ACRYLATE	
Biodegradation	Water - Degradation 57%: 28 days	
	N,N-DIMETHYLACRYLAMIDE	
Stability (hydrolysis)	pH7 - Half-life:>1 year @ 50°C	
Biodegradation	Water - Degradation 0%: 28 days	
	2-HYDROXYETHYL METHACRYLATE	
Biodegradation	Water - Degradation 84%: 28 days	
D	IPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE	
Biodegradation	Water - Degradation < 20%: 28 days	
12.3. Bioaccumulative potential		
Bioaccumulative potential No data	available on bioaccumulation.	
Ecological information on ingredients.		
	N,N-DIMETHYLACRYLAMIDE	
Bioaccumulative potential	No data available.	
	2-HYDROXYETHYL METHACRYLATE	
Bioaccumulative potential	BCF: 1.34 - 1.54,	
DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE		
Bioaccumulative potential	BCF: 23 - 55, Cyprinus carpio (Common carp)	
12.4. Mobility in soil		
Mobility No data	available.	
Ecological information on ingredients.		
	N,N-DIMETHYLACRYLAMIDE	
Mobility	No data available.	

2-HYDROXYETHYL METHACRYLATE

Adsorption/desorption Water - Koc: 42.7 @ 20°C coefficient

## 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB** This substance is not classified as PBT or vPvB according to current EU criteria. assessment

#### 12.6. Other adverse effects

Other adverse effects None known.

Ecological information on ingredients.

#### N,N-DIMETHYLACRYLAMIDE

Other adverse effects No data available.

# SECTION 13: Disposal considerations 13.1. Waste treatment methods General information Waste disposal should be in accordance with existing Community, National and local regulations Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied. Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Waste class 08 04 09\* waste adhesives and sealants containing organic solvents or other dangerous substances.

## **SECTION 14: Transport information**

Road transport notes	Applies only to inner containers >5 litres. See SP 375
Sea transport notes	Applies only to inner containers >5 litres. See 2.10.2.7 of the IMDG code.
Air transport notes	Applies only to inner containers >5 litres. See SP A197 (375)

14.1. UN number

3082

#### 14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Isobornyl Acrylate)

#### 14.3. Transport hazard class(es)

9

Transport labels

14.4. Packing group

III

14.5. Environmental hazards

#### Environmentally hazardous substance/marine pollutant



#### 14.6. Special precautions for user

EmS F-A, S-F

Tunnel restriction code (E)

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

#### SECTION 15: Regulatory information

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

National regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
EU legislation	<ul> <li>Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16</li> <li>December 2008 on classification, labelling and packaging of substances and mixtures (as amended).</li> <li>COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)</li> </ul>
Guidance	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## **SECTION 16: Other information Revision** date 23/07/2015 Revision 3 15/08/2014 Supersedes date **Risk phrases in full** R20 Harmful by inhalation. R21/22 Harmful in contact with skin and if swallowed. R23 Toxic by inhalation. R36 Irritating to eyes. R36/37/38 Irritating to eyes, respiratory system and skin. R36/38 Irritating to eyes and skin. R43 May cause sensitisation by skin contact. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R62 Possible risk of impaired fertility.

Hazard statements in full	H301 Toxic if swallowed
	H302 Harmful if swallowed
	H311 Toxic in contact with skin.
	H315 Causes skin irritation.
	H317 May cause an allergic skin reaction.
	H318 Causes serious eve damage.
	H319 Causes serious eve irritation.
	H335 May cause respiratory irritation.
	H360Df May damage the unborn child. Suspected of damaging fertility.
	H361f Suspected of damaging fertility.
	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.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.