



Safety Data Sheet according to Regulation (EC) No 1907/2006

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LOCTITE ABLESTIK QMI550 known as HYSOL QMI550 (13.2g)

SDS No. : 391188
V004.0

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Replaces version from: 11.02.2015

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

1.1. Product identifier

LOCTITE ABLESTIK QMI550 known as HYSOL QMI550 (13.2g)

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

Intended use:

Sample only.

1.3. Details of the supplier of the safety data sheet

Henkel Ltd
Wood Lane End
HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 1442 278000

Fax-no.: +44 1442 278071

ua-productsafety.uk@henkel.com

1.4. Emergency telephone number

24 Hours Emergency Tel: +44 (0)1442 278497

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

Acute toxicity	Category 4
H302 Harmful if swallowed. Route of Exposure: Oral	
Skin irritation H315 Causes skin irritation.	Category 2
Skin sensitizer H317 May cause an allergic skin reaction.	Category 1
Chronic hazards to the aquatic environment H412 Harmful to aquatic life with long lasting effects.	Category 3

2.2. Label elements

Label elements (CLP):

Hazard pictogram:**Contains**

Amines, C36-alkylenedi-, maleated

Bis[(vinylloxy)methyl]cyclohexane
 1,6-Hexanediol diacrylate
 Epoxycyclohexylethyltrimethoxysilane

Signal word:

Warning

Hazard statement:

H302 Harmful if swallowed.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H412 Harmful to aquatic life with long lasting effects.

**Precautionary statement:
Prevention**

P273 Avoid release to the environment.
 P280 Wear protective gloves.

**Precautionary statement:
Response**

P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

2.3. Other hazards

None if used properly.

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****General chemical description:**

Polyamino-bis-maleimide resin

Base substances of preparation:

Bismaleimide resin
 Polyacrylate
 Filler

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Amines, C36-alkylenedi-, maleated 682800-79-9		25- 50 %	Acute Tox. 4 H302 Acute Tox. 4 H312 Skin Irrit. 2 H315
Propylidynetrimethyl trimethacrylate 3290-92-4	221-950-4 01-2119542176-41	5- < 10 %	Aquatic Chronic 2 H411
Bis[(vinylxy)methyl]cyclohexane 17351-75-6	413-370-7 01-2119379055-36	1- < 5 %	Skin Irrit. 2 H315 Skin Sens. 1 H317 Aquatic Chronic 2 H411
1,6-Hexanediol diacrylate 13048-33-4	235-921-9 01-2119484737-22	1- < 5 %	Eye Irrit. 2 H319 Skin Sens. 1A H317 Skin Irrit. 2 H315 Aquatic Chronic 3 H412
Epoxyhexahydroxyethyltrimethoxysilane 3388-04-3	222-217-1	0,1- < 1 %	Skin Sens. 1B H317 Muta. 2 H341 Carc. 2 H351 Aquatic Chronic 3 H412

For full text of the H - statements and other abbreviations see section 16 "Other information".
Substances without classification may have community workplace exposure limits available.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing. If necessary, see a dermatologist.

Eye contact:

Wash with plenty of water immediately and continue for several minutes, holding eyelid open. Consult a doctor.

Ingestion:

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

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

INGESTION: Nausea, vomiting, diarrhea, abdominal pain.

SKIN: Rash, Urticaria.

SKIN: Redness, inflammation.

Prolonged or repeated contact may cause eye irritation.

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

See section: Description of first aid measures

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media:**

Foam, extinguishing powder, carbon dioxide.
Water spray jet

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

5.2. Special hazards arising from the substance or mixture

Danger of decomposition if exposed to heat.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.
Wear protective equipment.
Ensure adequate ventilation.

6.2. Environmental precautions

Do not empty into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up

Remove mechanically.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
For small spills wipe up with paper towel and place in container for disposal.
Dispose of contaminated material as waste according to Section 13.
Ensure adequate ventilation.

6.4. Reference to other sections

See advice in section 8

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Do not spray onto flames or red-hot objects.
Ensure good ventilation/suction at the workplace.
Extract when the product is heated.
Avoid skin and eye contact.
See advice in section 8

Hygiene measures:

Good industrial hygiene practices should be observed.
Wash hands before work breaks and after finishing work.
Do not eat, drink or smoke while working.

7.2. Conditions for safe storage, including any incompatibilities

Store in sealed original container.
Protect against contamination.
Store in a cool, dry place.
Ensure that storage and workrooms are adequately ventilated.
Must be stored in a room with spill collection facilities.
Keep away from heat and direct sunlight.
Refer to Technical Data Sheet

7.3. Specific end use(s)

Sample only.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits

Valid for
Great Britain

None

Occupational Exposure Limits

Valid for
Ireland

None

Predicted No-Effect Concentration (PNEC):

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
Propylidynetrimethyl trimethacrylate 3290-92-4	aqua (freshwater)		0,00276 mg/l				
Propylidynetrimethyl trimethacrylate 3290-92-4	aqua (marine water)		0,000276 mg/l				
Propylidynetrimethyl trimethacrylate 3290-92-4	aqua (intermittent releases)		0,02 mg/l				
Propylidynetrimethyl trimethacrylate 3290-92-4	sediment (freshwater)				0,4951 mg/kg		
Propylidynetrimethyl trimethacrylate 3290-92-4	sediment (marine water)				0,04951 mg/kg		
Propylidynetrimethyl trimethacrylate 3290-92-4	Soil				0,0974 mg/kg		
Propylidynetrimethyl trimethacrylate 3290-92-4	sewage treatment plant (STP)		10 mg/l				
1,4-bis[(vinyloxy)methyl]cyclohexane 17351-75-6	aqua (freshwater)		0,00414 mg/l				
1,4-bis[(vinyloxy)methyl]cyclohexane 17351-75-6	aqua (marine water)		0,000141 mg/l				
1,4-bis[(vinyloxy)methyl]cyclohexane 17351-75-6	aqua (intermittent releases)		0,0141 mg/l				
1,4-bis[(vinyloxy)methyl]cyclohexane 17351-75-6	sediment (freshwater)				0,00729 mg/kg		
1,4-bis[(vinyloxy)methyl]cyclohexane 17351-75-6	sediment (marine water)				0,000729 mg/kg		
1,4-bis[(vinyloxy)methyl]cyclohexane 17351-75-6	Soil				0,00175 mg/kg		
1,4-bis[(vinyloxy)methyl]cyclohexane 17351-75-6	sewage treatment plant (STP)		10 mg/l				
Hexamethylene diacrylate 13048-33-4	aqua (freshwater)		0,0015 mg/l				
Hexamethylene diacrylate 13048-33-4	aqua (marine water)		0,00015 mg/l				
Hexamethylene diacrylate 13048-33-4	Soil				0,00397 mg/kg		
Hexamethylene diacrylate 13048-33-4	sewage treatment plant (STP)		2,7 mg/l				
Hexamethylene diacrylate 13048-33-4	sediment (freshwater)				0,0243 mg/kg		
Hexamethylene diacrylate 13048-33-4	sediment (marine water)				0,00243 mg/kg		

Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
1,4-bis[(vinylloxy)methyl]cyclohexane 17351-75-6	Workers	dermal	Long term exposure - local effects		0,166 mg/cm ²	
1,4-bis[(vinylloxy)methyl]cyclohexane 17351-75-6	Workers	dermal	Acute/short term exposure - local effects		0,166 mg/cm ²	
Hexamethylene diacrylate 13048-33-4	Workers	dermal	Long term exposure - systemic effects		2,77 mg/kg	
Hexamethylene diacrylate 13048-33-4	Workers	Inhalation	Long term exposure - systemic effects		24,48 mg/m ³	
Hexamethylene diacrylate 13048-33-4	General population	dermal	Long term exposure - systemic effects		1,66 mg/kg	
Hexamethylene diacrylate 13048-33-4	General population	Inhalation	Long term exposure - systemic effects		7,24 mg/m ³	
Hexamethylene diacrylate 13048-33-4	General population	oral	Long term exposure - systemic effects		2,08 mg/kg	

Biological Exposure Indices:

None

8.2. Exposure controls:

Engineering controls:

Ensure good ventilation/extraction.

Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.

Suitable respiratory protection:

Filter type: A (EN 14387)

Hand protection:

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):

nitrile rubber (NBR; \geq 0.4 mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (NBR; \geq 0.4 mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:

Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing.

Protective eye equipment should conform to EN166.

Skin protection:

Wear suitable protective clothing.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	liquid liquid white
Odor	mild
Odour threshold	No data available / Not applicable
pH	No data available / Not applicable
Melting point	No data available / Not applicable
Solidification temperature	No data available / Not applicable
Initial boiling point	Polymerization may occur at elevated temperature.
Flash point	> 100 °C (> 212 °F)
Evaporation rate	No data available / Not applicable
Flammability	No data available / Not applicable
Explosive limits	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Relative vapour density:	No data available / Not applicable
Density (20 °C (68 °F))	1,32 g/cm ³
Bulk density	No data available / Not applicable
Solubility	No data available / Not applicable
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Not miscible or difficult to mix
Partition coefficient: n-octanol/water	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Decomposition temperature	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Oxidising properties	No data available / Not applicable

9.2. Other information

No data available / Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with oxidants, acids and lyes

Reaction with reducing agents.

Peroxides.

Hazardous polymerization may occur in the presence of excess peroxides and metals contamination.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

Danger of decomposition if exposed to heat.

Do not heat mixed adhesive unless you plan to use immediately.

Failure to observe these precautions may result in excessive heat build-up causing an exotherm.

No decomposition if stored and applied as directed.

10.5. Incompatible materials

None if used properly.

10.6. Hazardous decomposition products

Hydrocarbons

carbon oxides.

nitrogen oxides

Polymerization may occur at elevated temperature or in the presence of incompatible materials.

Rapid polymerisation may generate excessive heat and pressure.

At higher temperature hydrogen fluoride may be generated.

At higher temperatures toxic gases may be generated.

See section 5.

SECTION 11: Toxicological information**General toxicological information:**

Prolonged or repeated contact may cause eye irritation.

11.1. Information on toxicological effects**Acute oral toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Propylidynetrimethyl trimethacrylate 3290-92-4	LD50	> 5.000 mg/kg	rat	not specified
Bis[(vinylloxy)methyl]cyc lohexane 17351-75-6	LD50	> 5.000 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)
1,6-Hexanediol diacrylate 13048-33-4	LD50	> 5.000 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)
Epoxy cyclohexylethyltri methoxysilane 3388-04-3	LD50	13.000 mg/kg	rat	

Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Propylidynetrimethyl trimethacrylate 3290-92-4	LD50	> 2.000 mg/kg	rat	OECD Guideline 402 (Acute Dermal Toxicity)
Bis[(vinylloxy)methyl]cyc lohexane 17351-75-6	LD50	> 2.000 mg/kg	rabbit	OECD Guideline 402 (Acute Dermal Toxicity)
1,6-Hexanediol diacrylate 13048-33-4	LD50	3.650 mg/kg	rabbit	OECD Guideline 402 (Acute Dermal Toxicity)
Epoxy cyclohexylethyltri methoxysilane 3388-04-3	LD50	6.700 mg/kg	rabbit	

Acute inhalative toxicity:

No data available.

Skin corrosion/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Bis[(vinylloxy)methyl]cyclohexane 17351-75-6	irritating	24 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
1,6-Hexanediol diacrylate 13048-33-4	irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Propylidynetrimethyl trimethacrylate 3290-92-4	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
1,6-Hexanediol diacrylate 13048-33-4	irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Test type	Species	Method
Propylidynetrimethyl trimethacrylate 3290-92-4	not sensitising		guinea pig	OECD Guideline 406 (Skin Sensitisation)
1,6-Hexanediol diacrylate 13048-33-4	sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Epoxyhexahydroethyltrimethoxysilane 3388-04-3	sensitising	Buehler test	guinea pig	OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
1,6-Hexanediol diacrylate 13048-33-4	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
1,6-Hexanediol diacrylate 13048-33-4	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

Carcinogenicity

No data available.

Reproductive toxicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Test type	Route of application	Species	Method
1,6-Hexanediol diacrylate 13048-33-4	NOAEL P 250 mg/kg	screening	oral: gavage	rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

STOT-single exposure:

No data available.

STOT-repeated exposure::

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Route of application	Exposure time / Frequency of treatment	Species	Method
1,6-Hexanediol diacrylate 13048-33-4	NOAEL 250 mg/kg	oral: gavage	28 - 52 d daily	rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Aspiration hazard:

No data available.

SECTION 12: Ecological information

General ecological information:

Do not empty into drains / surface water / ground water.

12.1. Toxicity

Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Propylidynetrimerethyl trimethacrylate 3290-92-4	LC50	2 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Propylidynetrimerethyl trimethacrylate 3290-92-4	NOEC	0,138 mg/l	32 d	Pimephales promelas	OECD Guideline 210 (fish early lite stage toxicity test)
Bis[(vinylloxy)methyl]cyclohe xane 17351-75-6	LC50	1,54 mg/l	96 h	Salmo gairdneri (new name: Oncorhynchus mykiss)	OECD Guideline 203 (Fish, Acute Toxicity Test)
Epoxyhexahydroxyethyltrimetho xysilane 3388-04-3	LC50	42,3 mg/l	96 h	Cyprinus carpio	OECD Guideline 203 (Fish, Acute Toxicity Test)

Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Propylidynetrimerethyl trimethacrylate 3290-92-4	EC50		48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Bis[(vinylloxy)methyl]cyclohe xane 17351-75-6	EC50	1,41 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Epoxyhexahydroxyethyltrimetho xysilane 3388-04-3	EC50	58 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Chronic toxicity to aquatic invertebrates

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Epoxyhexahydroxyethyltrimetho xysilane 3388-04-3	NOEC	16 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Propylidynetrimethyl trimethacrylate 3290-92-4	EC50	3,88 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Propylidynetrimethyl trimethacrylate 3290-92-4	NOEC	0,177 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Bis[(vinyloxy)methyl]cyclohe xane 17351-75-6	EC50	2,3 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
1,6-Hexanediol diacrylate 13048-33-4	EC50	1,5 mg/l	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	DIN 38412-09
1,6-Hexanediol diacrylate 13048-33-4	NOEC	0,5 mg/l	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	DIN 38412-09
Epoxyhexahydroxyethyltrimetho xysilane 3388-04-3	NOEC	6 mg/l	72 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Epoxyhexahydroxyethyltrimetho xysilane 3388-04-3	EC50	90 mg/l	72 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)

Toxicity to microorganisms

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Propylidynetrimethyl trimethacrylate 3290-92-4	EC50		3 h	activated sludge	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Epoxyhexahydroxyethyltrimetho xysilane 3388-04-3	EC 50	> 100 mg/l	30 min		OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

12.2. Persistence and degradability

The product is not biodegradable.

Hazardous substances CAS-No.	Result	Test type	Degradability	Exposure time	Method
Propylidynetrimethyl trimethacrylate 3290-92-4	readily biodegradable	aerobic	100 %	28 d	OECD Guideline 301 A (old version) (Ready Biodegradability: Modified AFNOR Test)
Bis[(vinyloxy)methyl]cyclohe xane 17351-75-6		aerobic	0 - 10 %	28 d	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
1,6-Hexanediol diacrylate 13048-33-4			> 70 %		OECD Guideline 302 B (Inherent biodegradability: Zahn- Wellens/EMPA Test)
1,6-Hexanediol diacrylate 13048-33-4	readily biodegradable	aerobic	69 %	28 d	OECD Guideline 310 (Ready Biodegradability CO ₂ in Sealed Vessels (Headspace Test)
Epoxyhexahydroxyethyltrimetho xysilane 3388-04-3		aerobic	28 %	28 d	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

12.3. Bioaccumulative potential

No data available.

Hazardous substances CAS-No.	Bioconcentratio n factor (BCF)	Exposure time	Temperature	Species	Method
Propylidynetrimethyl trimethacrylate 3290-92-4	270,1			calculated	QSAR (Quantitative Structure Activity Relationship)

12.4. Mobility in soil

Cured adhesives are immobile.

Hazardous substances CAS-No.	LogPow	Temperature	Method
Propylidyntrimethyl trimethacrylate 3290-92-4	2,75 - 4,2	25 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)
Bis[(vinylxy)methyl]cyclohexane 17351-75-6	3,65	20 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
1,6-Hexanediol diacrylate 13048-33-4	2,81	25 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Epoxyhexylethyltrimethoxysilane 3388-04-3	4,1	23 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

12.5. Results of PBT and vPvB assessment

Hazardous substances CAS-No.	PBT / vPvB
Propylidyntrimethyl trimethacrylate 3290-92-4	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Bis[(vinylxy)methyl]cyclohexane 17351-75-6	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
1,6-Hexanediol diacrylate 13048-33-4	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Product disposal:

Special waste incineration with the approval of the responsible local authority.

Disposal of uncleaned packages:

Disposal must be made according to official regulations.

Use packages for recycling only when totally empty.

Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

Waste code

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

SECTION 14: Transport information

- 14.1. UN number**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.2. UN proper shipping name**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.3. Transport hazard class(es)**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.4. Packing group**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.5. Environmental hazards**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.6. Special precautions for user**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**
not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

VOC content < 3 %
(2010/75/EC)

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H341 Suspected of causing genetic defects.
- H351 Suspected of causing cancer.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

Further information:

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