

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

### \*\*\*Bezeichnung des Produktes\*\*\*

#### 1.1. Product identifier

Loctite 3D IND408 Black

### \*\*\*Enthält Gefahrenausslöser GHS\*\*\*

### \*\*\*Enthält Nano\*\*\*

### \*\*\*Verwendung\*\*\*

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

Intended use:

Sample only.

### \*\*\*Dänemark: PR-Nummer\*\*\*

### \*\*\*Norwegen: PR-Nummer\*\*\*

### \*\*\*Nationale Vorschriften Tschechische Republik; Hersteller/Importeur/Lieferant\*\*\*

#### 1.3. Details of the supplier of the safety data sheet

Henkel Ireland  
Operations and Research Limited

### \*\*\*Straße\*\*\*

Tallaght Business Park

### \*\*\*Postleitzahl/Stadt\*\*\*

Dublin 24

### \*\*\*Land zur VKORG.\*\*\*

Ireland

### \*\*\*Telefon\*\*\*

Phone: +353 (14046444)

### \*\*\*FAX-Nr.\*\*\*

Fax-no.: +353 (14519926)

### \*\*\*Auskunftgebender Bereich.\*\*\*

ua-productsafety.uk@henkel.com

For Safety Data Sheet updates please visit our website <https://mysds.henkel.com/index.html#/appSelection> or [www.henkel-adhesives.com](http://www.henkel-adhesives.com).

### \*\*\*Identification of manufacturer, importer or distributor\*\*\*

### \*\*\*Notfall-Nr.\*\*\*

#### 1.4. Emergency telephone number

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

### \*\*\*Angaben zu Giftzentralen\*\*\*

### \*\*\*Nationale Vorschriften Finnland\*\*\*

### \*\*\*---Standardklassifizierung (SIC) ---\*\*\*

## SECTION 2: Hazards identification

### \*\*\*Mögliche Gefährdungen für Mensch und Umwelt nicht Loctite\*\*

### \*\*\*GHS Classification\*\*\*

#### 2.1. Classification of the substance or mixture

### \*\*\*Einstufung CLP\*\*\*

<b>Classification (CLP):</b>	
Skin irritation	Category 2
H315 Causes skin irritation.	
Serious eye irritation	Category 2
H319 Causes serious eye irritation.	
Skin sensitizer	Category 1
H317 May cause an allergic skin reaction.	
Specific target organ toxicity - repeated exposure	Category 2
H373 May cause damage to organs through prolonged or repeated exposure.	
Chronic hazards to the aquatic environment	Category 2
H411 Toxic to aquatic life with long lasting effects.	

## 2.2. Label elements

\*\*\*GHS label elements\*\*

\*\*\*GHS Pictograms\*\*\*

### Label elements (CLP):

\*\*\*GHS Additional information\*\*\*

\*\*\*GHS Remark\*\*\*

<b>Hazard pictogram:</b>	
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\*\*\*CLP Component\*\*\*

<b>Contains</b>	3,4-Epoxy cyclohexyl methyl-3,4-epoxy cyclohexyl carboxylate
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	<p>pentaerythritol tetraacrylate</p> <p>pentaerythritol triacrylate</p> <p>Reaction product of hydrogenated Bisphenol A and epichlorohydrin</p> <p>Aromatic sulfonium hexafluoro antimonate</p>
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\*\*\*GHS Signal word\*\*\*

<b>Signal word:</b>	Warning
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\*\*\*GHS Hazard information\*\*\*

<b>Hazard statement:</b>	<p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H319 Causes serious eye irritation.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p>
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\*\*\*GHS Supplemental information\*\*\*

\*\*\*GHS Precautionary statements\*\*\*

\*\*\*GHS Precautionary statements Prevention\*\*\*

<b>Precautionary statement:</b>	P273 Avoid release to the environment.
<b>Prevention</b>	P280 Wear protective gloves.

\*\*\*GHS Precautionary statements Response\*\*\*

<b>Precautionary statement:</b>	P302+P352 IF ON SKIN: Wash with plenty of soap and water.
<b>Response</b>	P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
	P337+P313 If eye irritation persists: Get medical advice/attention.

\*\*\*GHS Precautionary statements Storage\*\*\*  
 \*\*\*GHS Precautionary statements Disposal\*\*\*

\*\*\*REACH Authorisation Number\*\*\*

\*\*\*Other hazards\*\*\*

**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**

\*\*\*Substance or Mixture?\*\*\*

**3.2. Mixtures**

\*\*\*Charakterisierung von Zubereitungen\*\*\*

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

\*\*\*Inhaltsstoffangaben bei gefährlichen Zubereitungen\*\*\*

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
3,4-Epoxy cyclohexyl methyl-3,4-epoxy cyclohexyl carboxylate 2386-87-0	219-207-4 01-2119846133-44	20- 40 %	Skin Sens. 1 H317 STOT RE 2 H373 Aquatic Chronic 3 H412***REACH candidate list*** ***M-Faktor***
pentaerythritol tetraacrylate 4986-89-4	225-644-1	10- 20 %	Eye Irrit. 2 H319 Skin Irrit. 2 H315 Skin Sens. 1 H317***REACH candidate list*** ***M-Faktor***
3-Ethylloxetane-3-methanol 3047-32-3	221-254-0 01-2119953280-43	10- 20 %	Eye Irrit. 2 H319***REACH candidate list*** ***M-Faktor***
pentaerythritol triacrylate 3524-68-3	222-540-8	10- 20 %	Eye Irrit. 2 H319 Skin Irrit. 2 H315 Skin Sens. 1 H317***REACH candidate list*** ***M-Faktor***
Reaction product of hydrogenated Bisphenol A and epichlorohydrin 30583-72-3	500-070-7 01-2119959495-22	10- 20 %	Skin Sens. 1 H317 Aquatic Chronic 3 H412***REACH candidate list*** ***M-Faktor***

Aromatic sulfonium hexafluoro antimonate 159120-95-3	403-500-0 01-2119935057-38	1- < 5 %	Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Skin Sens. 1 H317***REACH candidate list*** ***M-Faktor*** M factor (Acute Aquat Tox): 10 M factor (Chron Aquat Tox): 10
propylene carbonate 108-32-7	203-572-1 01-2119537232-48	1- < 5 %	Eye Irrit. 2 H319***REACH candidate list*** ***M-Faktor***

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.

\*\*\*Inhaltsstoffangabe lt. Etikett\*\*\*  
 \*\*\*Zusätzliche Inhaltsstoffe\*\*\*  
 \*\*\*Allergene Duftstoffe >= 100 ppm\*\*\*

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

\*\*\*allgemeine Hinweise\*\*\*

\*\*\*nach Einatmen\*\*\*

Inhalation:  
Move to fresh air. If symptoms persist, seek medical advice.

\*\*\*nach Hautkontakt \*\*\*

Skin contact:  
Rinse with running water and soap.  
Obtain medical attention if irritation persists.

\*\*\*nach Augenkontakt\*\*\*

Eye contact:  
Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

\*\*\*nach Verschlucken\*\*\*

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

\*\*\*Most important symptoms and effects\*\*\*

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

SKIN: Rash, Urticaria.

SKIN: Redness, inflammation.

EYE: Irritation, conjunctivitis.

\*\*\*Indication of immediate medical attention and special treatment needed\*\*\*

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

See section: Description of first aid measures

## SECTION 5: Firefighting measures

### \*\*\*Brandverhalten\*\*\*

### \*\*\*Geeignete Löschmittel\*\*\*

#### 5.1. Extinguishing media

##### Suitable extinguishing media:

water, carbon dioxide, foam, powder

### \*\*\*Ungeeignete Löschmittel\*\*\*

##### Extinguishing media which must not be used for safety reasons:

High pressure waterjet

### \*\*\*Special hazards arising from the substance or mixture\*\*\*

#### 5.2. Special hazards arising from the substance or mixture

In the event of a fire, carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>) can be released.

### \*\*\*Besondere Schutzausrüstung bei Brandbekämpfung\*\*\*

#### 5.3. Advice for firefighters

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

### \*\*\*Zusätzliche Hinweise Brandbekämpfung\*\*\*

##### Additional information:

In case of fire, keep containers cool with water spray.

## SECTION 6: Accidental release measures

### \*\*\*allgemeine Hinweise\*\*\*

### \*\*\*Personenbezogene Vorsichtsmaßnahmen\*\*\*

#### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

Wear protective equipment.

Ensure adequate ventilation.

Keep away from sources of ignition.

### \*\*\*Umweltschutzmaßnahmen\*\*\*

#### 6.2. Environmental precautions

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

### \*\*\*Verfahren zur Reinigung und Beseitigung\*\*\*

#### 6.3. Methods and material for containment and cleaning up

Dispose of contaminated material as waste according to Section 13.

For small spills wipe up with paper towel and place in container for disposal.

For large spills absorb onto inert absorbent material and place in sealed container for disposal.

### \*\*\*Zu vermeidende Bedingungen bei der Beseitigung\*\*\*

### \*\*\*Nationale Besonderheiten Dänemark\*\*

### \*\*\*Abfallentsorgung\*\*

### \*\*\*Verweis auf andere Abschnitte\*\*\*

#### 6.4. Reference to other sections

See advice in section 8

## SECTION 7: Handling and storage

### \*\*\*Handhabung\*\*\*

#### 7.1. Precautions for safe handling

### \*\*\*Hinweise zum sicheren Umgang\*\*\*

Avoid skin and eye contact.

See advice in section 8

### \*\*\*Brand- und Explosionsschutz\*\*\*

\*\*\*Nationale dänische Besonderheiten/ Vorschrift zur Handhabung\*\*\*

\*\*\*Allgemeine Schutz- und Hygienemaßnahmen\*\*

Hygiene measures:

\*\*\*Hygienemaßnahmen\*\*

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

Good industrial hygiene practices should be observed.

\*\*\*Allgemeine Schutzmaßnahmen\*\*

\*\*\*Lagerung\*\*\*

\*\*\*Allg. Hinweise zur Lagerung\*\*\*

\*\*\*Einzuhaltende Lagerbedingungen\*\*

\*\*\*Zusammenlagerungshinweise\*\*

**7.2. Conditions for safe storage, including any incompatibilities**

Ensure good ventilation/extraction.

Keep container tightly sealed.

Refer to Technical Data Sheet

\*\*\*Lagerung brennbarer Flüssigkeiten\*\*

\*\*\*Specific end uses\*\*

**7.3. Specific end use(s)**

Sample only.

## SECTION 8: Exposure controls/personal protection

\*\*\*Bestandteile mit Arbeitsplatzgrenzwerten\*\*\*

**8.1. Control parameters**

**Occupational Exposure Limits**

Valid for

Great Britain

None

**Occupational Exposure Limits**

Valid for

Ireland

None

\*\*\*Predicted No-Effect Concentration (PNEC)\*\*

**Predicted No-Effect Concentration (PNEC):**

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	

\*\*\*Predicted No-Effect Concentration (PNEC)\*\*

7-Oxabicyclo[4.1.0]hept-3-ylmethyl 7-oxabicyclo[4.1.0]heptane-3- carboxylate 2386-87-0	aqua (freshwater)		0,024 mg/l				
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7-Oxabicyclo[4.1.0]hept-3-ylmethyl 7-oxabicyclo[4.1.0]heptane-3- carboxylate 2386-87-0	aqua (marine water)		0,0024 mg/l				
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7-Oxabicyclo[4.1.0]hept-3-ylmethyl 7-oxabicyclo[4.1.0]heptane-3- carboxylate 2386-87-0	aqua (intermittent releases)		0,24 mg/l				
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7-Oxabicyclo[4.1.0]hept-3-ylmethyl 7-oxabicyclo[4.1.0]heptane-3- carboxylate 2386-87-0	sewage treatment plant (STP)		19,5 mg/l				
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7-Oxabicyclo[4.1.0]hept-3-ylmethyl 7-oxabicyclo[4.1.0]heptane-3- carboxylate 2386-87-0	sediment (freshwater)				0,211 mg/kg		
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7-Oxabicyclo[4.1.0]hept-3-ylmethyl 7-oxabicyclo[4.1.0]heptane-3- carboxylate 2386-87-0	sediment (marine water)				0,021 mg/kg		
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7-Oxabicyclo[4.1.0]hept-3-ylmethyl 7-oxabicyclo[4.1.0]heptane-3- carboxylate 2386-87-0	Soil				0,028 mg/kg		
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\*\*\*Predicted No-Effect Concentration (PNEC)\*\*

\*\*\*Predicted No-Effect Concentration (PNEC)\*\*

3-Ethyloetane-3-methanol 3047-32-3	aqua (freshwater)		2,66 mg/l				
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3-Ethyloetane-3-methanol 3047-32-3	aqua (marine water)		0,266 mg/l				
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3-Ethyloetane-3-methanol 3047-32-3	aqua (intermittent releases)		26,6 mg/l				
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3-Ethyloxtane-3-methanol 3047-32-3	sewage treatment plant (STP)		10 mg/l				
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\*\*\*Predicted No-Effect Concentration (PNEC)\*\*

\*\*\*Predicted No-Effect Concentration (PNEC)\*\*

\*\*\*Predicted No-Effect Concentration (PNEC)\*\*

\*\*\*Predicted No-Effect Concentration (PNEC)\*\*

Propylene carbonate 108-32-7	aqua (marine water)		0,09 mg/l				
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Propylene carbonate 108-32-7	aqua (freshwater)		0,9 mg/l				
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Propylene carbonate 108-32-7	sewage treatment plant (STP)		7400 mg/ l				
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Propylene carbonate 108-32-7	freshwater - intermittent		9 mg/l				
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Propylene carbonate 108-32-7	Soil				0,81 mg/ kg		
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Propylene carbonate 108-32-7	marine water - intermittent		0,9 mg/l				
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\*\*\*Derived No-Effect Level (DNEL)\*\*

**Derived No-Effect Level (DNEL):**

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
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\*\*\*Derived No-Effect Level (DNEL)\*\*

7-Oxabicyclo[4.1.0]hept-3-ylmethyl 7-oxabicyclo[4.1.0]heptane-3- carboxylate 2386-87-0	Workers	inhalation	Long term exposure - systemic effects		0,18 mg/m3	
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7-Oxabicyclo[4.1.0]hept-3-ylmethyl 7-oxabicyclo[4.1.0]heptane-3- carboxylate 2386-87-0	Workers	inhalation	Long term exposure - local effects		0,18 mg/m3	
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7-Oxabicyclo[4.1.0]hept-3-ylmethyl 7-oxabicyclo[4.1.0]heptane-3- carboxylate 2386-87-0	Workers	dermal	Long term exposure - systemic effects		0,05 mg/kg	
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\*\*\*Derived No-Effect Level (DNEL)\*\*

\*\*\*Derived No-Effect Level (DNEL)\*\*

3-Ethylloxetane-3-methanol 3047-32-3	Workers	inhalation	Long term exposure - systemic effects		5,9 mg/m3	
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3-Ethylloxetane-3-methanol 3047-32-3	Workers	dermal	Long term exposure - systemic effects		1,7 mg/kg	
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\*\*\*Derived No-Effect Level (DNEL)\*\*

\*\*\*Derived No-Effect Level (DNEL)\*\*

\*\*\*Derived No-Effect Level (DNEL)\*\*

\*\*\*Derived No-Effect Level (DNEL)\*\*

Propylene carbonate 108-32-7	Workers	inhalation	Long term exposure - systemic effects		70,53 mg/m3	
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Propylene carbonate 108-32-7	Workers	inhalation	Long term exposure - local effects		20 mg/m3	
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Propylene carbonate 108-32-7	Workers	dermal	Long term exposure - systemic effects		20 mg/kg	
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Propylene carbonate 108-32-7	Workers	dermal	Long term exposure - local effects		10 mg/cm2	
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Propylene carbonate 108-32-7	General population	inhalation	Long term exposure - systemic effects		17,4 mg/m3	
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Propylene carbonate 108-32-7	General population	inhalation	Long term exposure - local effects		10 mg/m3	
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Propylene carbonate 108-32-7	General population	dermal	Long term exposure - systemic effects		10 mg/kg	
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Propylene carbonate 108-32-7	General population	oral	Long term exposure - systemic effects		10 mg/kg	
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### \*\*\*Biological Exposure Indices\*\*\*

#### Biological Exposure Indices:

None

### \*\*\*Exposure controls\*\*

#### 8.2. Exposure controls:

### \*\*\*Zusätzliche Hinweise zur Gestaltung technischer Anlagen\*\*

Engineering controls:

Ensure good ventilation/extraction.

### \*\*\*Persönliche Schutzausrüstung\*\*

#### \*\*\*Atemschutz\*\*

Respiratory protection:

Ensure adequate ventilation.

An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area

Filter type: A (EN 14387)

### \*\*\*Handschutz\*\*

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.

### \*\*\*Augenschutz\*\*

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.

### \*\*\*Körperschutz\*\*

Skin protection:

Wear suitable protective clothing.

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

### \*\*\*Hinweise persönl. Schutzausrüstung\*\*

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.

### \*\*\*Nationale Besonderheiten Dänemark\*\*

## SECTION 9: Physical and chemical properties

### \*\*\*Allgemeine Eigenschaften\*\*\*

\*\*\*\*Lieferform\*\*\*  
\*\*\*\*Beschaffenheit\*\*\*  
\*\*\*Geruch\*\*\*  
\*\*\*1. Phase Grundfarbe\*\*\*

### 9.1. Information on basic physical and chemical properties

Appearance	liquid liquid black
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Odor	Resinous
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\*\*\*Odour threshold\*\*\*

Odour threshold	No data available / Not applicable
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\*\*\*PH-Wert\*\*\*

pH	Not applicable
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\*\*\*Schmelzpunkt/-bereich\*\*\*

Melting point	No data available / Not applicable
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\*\*\*Erstarrungspunkt/-bereich\*\*\*

Solidification temperature	No data available / Not applicable
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\*\*\*Siedepunkt/-bereich\*\*\*

Initial boiling point	No data available / Not applicable
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\*\*\*Flammpunkt\*\*\*

Flash point	> 93,3 °C (> 199.94 °F)
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\*\*\*Verdampfungsgeschwindigkeit \*\*\*

Evaporation rate	No data available / Not applicable
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\*\*\*Flammability / (Burning rate)\*\*

Flammability	No data available / Not applicable
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\*\*\*Untere/obere Explosionsgrenze\*\*\*

Explosive limits	No data available / Not applicable
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\*\*\*Dampfdruck\*\*\*

Vapour pressure	No data available / Not applicable
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\*\*\*Relative Dampfdichte\*\*\*

Relative vapour density:	No data available / Not applicable
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\*\*\*Dichte\*\*\*

Density ( $\rho$ )	1,12 g/ml
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\*\*\*Schüttdichte\*\*\*

Bulk density	No data available / Not applicable
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\*\*\* Löslichkeit in g/l \*\*\*

Solubility	No data available / Not applicable
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\*\*\*Löslichkeit qualitativ\*\*\*

Solubility (qualitative)	No data available / Not applicable
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\*\*\*Octanol/Wasser-Verteilungskoeffizient \*\*\*

Partition coefficient: n-octanol/water	No data available / Not applicable
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\*\*\*Selbstentzündungstemperatur\*\*\*

Auto-ignition temperature	No data available / Not applicable
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\*\*\*Zersetzungstemperatur\*\*\*

Decomposition temperature	No data available / Not applicable
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\*\*\*dyn. Viskosität\*\*\*

Viscosity (  )	150 - 200 mPa.s
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\*\*\*Viskosität kinematisch\*\*\*

Viscosity (kinematic)	No data available / Not applicable
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\*\*\*Explosivität \*\*\*

Explosive properties	No data available / Not applicable
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\*\*\*Oxidising properties \*\*\*

Oxidising properties	No data available / Not applicable
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\*\*\*Festkörpergehalt \*\*\*

<b>9.2. Other information</b>
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No data available / Not applicable
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\*\*\*Auslaufviskosität\*\*\*

\*\*\*Erweichungspunkt/-bereich\*\*\*

\*\*\*Glimmtemperatur\*\*

\*\*\*Brennzahl\*\*

\*\*\*Untere Staubexplosionsgrenze\*\*\*

\*\*\*Staubexplosionsklasse \*\*\*

\*\*\*Mindestzündenergie \*\*\*

\*\*\*Zündtemperatur\*\*\*

\*\*\*VOC \*\*\*

## SECTION 10: Stability and reactivity

\*\*\*Stabilität\*\*\*

\*\*\*Reactivity / Zu vermeidende Stoffe\*\*\*

<b>10.1. Reactivity</b>
Reacts with strong oxidants.
Acids.
Reducing agents.
Strong bases.

\*\*\*Chemical stability\*\*\*

<b>10.2. Chemical stability</b>
Stable under recommended storage conditions.

\*\*\*Possibility of hazardous reactions\*\*\*

### 10.3. Possibility of hazardous reactions

See section reactivity

\*\*\*Conditions to avoid / Zu vermeidende Bedingungen\*\*\*

### 10.4. Conditions to avoid

Stable under normal conditions of storage and use.

\*\*\*Incompatible materials\*\*\*

### 10.5. Incompatible materials

See section reactivity.

\*\*\*Hazardous decomposition products / Gefährliche Zersetzungsprodukte\*\*\*

### 10.6. Hazardous decomposition products

carbon oxides.

Hydrocarbons

nitrogen oxides

Rapid polymerisation may generate excessive heat and pressure.

\*\*\*Dänemark: Curing time\*\*\*

## SECTION 11: Toxicological information

\*\*\* Allgemeine Hinweise zur Toxikologie \*\*\*

### 11.1. Information on toxicological effects

\*\*\* Information on toxicological effects \*\*\*

\*\*\* Tabelle ACUT oral Toxicity \*\*\*

#### 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
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\*\*\*Acut oral\*\*\*

3,4-Epoxy cyclohexyl methyl-3,4-epoxy cyclohexyl carboxylate 2386-87-0	***Acut oral*** LD50	***Acut oral*** 5.000 mg/kg	***Acut oral*** rat	***Acut oral*** OECD Guideline 401 (Acute Oral Toxicity)
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\*\*\*Acut oral\*\*\*

3-Ethylloxetane-3-methanol 3047-32-3	***Acut oral*** LD50	***Acut oral*** > 2.000 mg/kg	***Acut oral*** rat	***Acut oral*** OECD Guideline 420 (Acute Oral Toxicity)
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\*\*\*Acut oral\*\*\*

pentaerythritol triacrylate 3524-68-3	***Acut oral*** LD50	***Acut oral*** 2.500 mg/kg	***Acut oral*** rat	***Acut oral***
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\*\*\*Acut oral\*\*\*

Reaction product of hydrogenated Bisphenol A and epichlorohydrin 30583-72-3	***Acut oral*** LD50	***Acut oral*** > 5.300 mg/kg	***Acut oral*** rat	***Acut oral*** not specified
Reaction product of hydrogenated Bisphenol A and epichlorohydrin 30583-72-3	***Acut oral*** Acute toxicity estimate (ATE)	***Acut oral*** 2.500 mg/kg	***Acut oral***	***Acut oral*** Expert judgement

\*\*\*Acut oral\*\*\*

Aromatic sulfonium hexafluoro antimonate 159120-95-3	***Acut oral*** LD50	***Acut oral*** > 5.000 mg/kg	***Acut oral*** rat	***Acut oral*** other guideline:
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\*\*\*Acut oral\*\*\*

propylene carbonate 108-32-7	***Acut oral*** LD50	***Acut oral*** > 5.000 mg/kg	***Acut oral*** rat	***Acut oral*** OECD Guideline 401 (Acute Oral Toxicity)
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\*\*\*Acut dermal\*\*\*

**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
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\*\*\*Acut dermal\*\*\*

3,4-Epoxy cyclohexyl methyl-3,4-epoxy cyclohexyl carboxylate 2386-87-0	***Acut dermal*** LD50	***Acut dermal*** > 2.000 mg/kg	***Acut dermal*** rat	***Acut dermal*** OECD Guideline 402 (Acute Dermal Toxicity)
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\*\*\*Acut dermal\*\*\*

pentaerythritol triacrylate 3524-68-3	***Acut dermal*** LD50	***Acut dermal*** 4.000 mg/kg	***Acut dermal*** rabbit	***Acut dermal***
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\*\*\*Acut dermal\*\*\*

Reaction product of hydrogenated Bisphenol A and epichlorohydrin 30583-72-3	***Acut dermal*** LD50	***Acut dermal*** > 2.000 mg/kg	***Acut dermal*** rat	***Acut dermal*** OECD Guideline 402 (Acute Dermal Toxicity)
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\*\*\*Acut dermal\*\*\*

propylene carbonate 108-32-7	***Acut dermal*** LD50	***Acut dermal*** > 3.000 mg/kg	***Acut dermal*** rabbit	***Acut dermal*** OECD Guideline 402 (Acute Dermal Toxicity)
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\*\*\*Acut inhalativ NEU\*\*\*

**Acute inhalative 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	Test atmosphere	Exposure time	Species	Method
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\*\*\*Acut inhalativ\*\*\*

3,4-Epoxy cyclohexyl methyl-3,4-epoxy cyclohexyl carboxylate 2386-87-0	***Acut inhalativ** *LC50	***Acut inhalativ*** > 5,19 mg/l	***Acut inhalativ*** dust/ mist	***Acut inhalativ** * 4 h	***Acut inhalativ*** rat	***Acut inhalativ*** OECD Guideline 436 (Acute Inhalation Toxicity: Acute Toxic Class (ATC) Method)
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\*\*\* Skin corrosion / irritation \*\*\*

**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
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3-Ethyloctane-3-methanol 3047-32-3	not irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
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Aromatic sulfonium hexafluoro antimonate 159120-95-3	not irritating	4 h	rabbit	EU Method B.4 (Acute Toxicity: Dermal Irritation / Corrosion)
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propylene carbonate 108-32-7	not irritating	24 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
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\*\*\* Serious eye damage / irritation \*\*\*

**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
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3-Ethyloctane-3-methanol 3047-32-3	irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
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Aromatic sulfonium hexafluoro antimonate 159120-95-3	not irritating		rabbit	EU Method B.5 (Acute Toxicity: Eye Irritation / Corrosion)
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propylene carbonate 108-32-7	irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
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\*\*\* Respiratory or skin sensitization \*\*\*

**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
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3,4-Epoxy cyclohexyl methyl-3,4-epoxy cyclohexyl carboxylate 2386-87-0	sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
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3-Ethyloxetane-3-methanol 3047-32-3	not sensitising		guinea pig	OECD Guideline 406 (Skin Sensitisation)
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Aromatic sulfonium hexafluoro antimonate 159120-95-3	sensitising	Guinea pig maximisation test	guinea pig	Magnusson and Kligman Method
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propylene carbonate 108-32-7	not sensitising	Patch-Test	human	Patch Test
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\*\*\* Mutagenicity (in vitro und in vivo)\*\*\*

**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
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\*\*\* Mutagenicity (in vitro und in vivo)\*\*\*

3-Ethylloxetane-3- methanol 3047-32-3	negative	mammalian cell gene mutation assay			OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
3-Ethylloxetane-3- methanol 3047-32-3	negative	bacterial reverse mutation assay (e.g Ames test)			OECD Guideline 471 (Bacterial Reverse Mutation Assay)

\*\*\* Mutagenicity (in vitro und in vivo)\*\*\*

Aromatic sulfonium hexafluoro antimonate 159120-95-3	positive	bacterial reverse mutation assay (e.g Ames test)	with and without		EU Method B.13/14 (Mutagenicity)
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\*\*\* Mutagenicity (in vitro und in vivo)\*\*\*

propylene carbonate 108-32-7	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
propylene carbonate 108-32-7	negative	DNA damage and repair assay, unscheduled DNA synthesis in mammalian cells in vitro	without		OECD Guideline 482 (Genetic Toxicology: DNA Damage and Repair, Unscheduled DNA Synthesis in Mammalian Cells In Vitro)

Aromatic sulfonium hexafluoro antimonate 159120-95-3	negative	oral: gavage		mouse	EU Method B.12 (Mutagenicity)
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propylene carbonate 108-32-7	negative	intraperitoneal		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
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\*\*\* Carcinogenicity \*\*\*

Carcinogenicity

No data available.

\*\*\* Reproductive Toxicity \*\*\*

**Reproductive toxicity:**

No data available.

\*\*\* STOT Single Exposure \*\*\*

**STOT-single exposure:**

No data available.

\*\*\* STOT Repeated Exposure (is in fact just a copy of what is printed above under repeated dose toxicity\*\*\*

**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
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\*\*\* Zusätzliche LTU für Priorisierung NOAEL vor LOAEL. Notwendig an dieser Stelle, damit die Abfrage auch Instanz-übergreifend

funktioniert\*\*\*

\*\*\* Repeated dose toxicity\*\*\*

3,4-Epoxy cyclohexyl methyl-3,4-epoxy cyclohexyl carboxylate 2386-87-0	***ResultValue*** NOAEL 5 mg/kg	***Route of application** * oral: gavage	***Exposure time / Frequency of treatment*** 91 d daily	***Species*** rat	***Method*** OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
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\*\*\* Zusätzliche LTU für Priorisierung NOAEL vor LOAEL. Notwendig an dieser Stelle, damit die Abfrage auch Instanz-übergreifend funktioniert\*\*\*

\*\*\* Repeated dose toxicity\*\*\*

3-Ethyloctane-3-methanol 3047-32-3	***ResultValue*** NOAEL 1.000 mg/kg	***Route of application** * oral: unspecified	***Exposure time / Frequency of treatment*** 28 d	***Species*** rat	***Method*** OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)
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\*\*\* Zusätzliche LTU für Priorisierung NOAEL vor LOAEL. Notwendig an dieser Stelle, damit die Abfrage auch Instanz-übergreifend funktioniert\*\*\*

\*\*\* Repeated dose toxicity\*\*\*

propylene carbonate 108-32-7	***ResultValue*** NOAEL 0,1 mg/l	***Route of application** * inhalation	***Exposure time / Frequency of treatment*** 13 weeks (93 days) 6 h/d; 5 d/w	***Species*** rat	***Method*** OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)
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\*\*\* Repeated dose toxicity\*\*\*

propylene carbonate 108-32-7	***ResultValue*** NOAEL > 5.000 mg/kg	***Route of application** * oral: gavage	***Exposure time / Frequency of treatment*** 90 days 5 days/week	***Species*** rat	***Method*** OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
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\*\*\* STOT Aspiration Hazard \*\*\*

Aspiration hazard:

No data available.

## SECTION 12: Ecological information

\*\*\* Allgemeine Angaben zur Ökologie\*\*

**General ecological information:**  
Do not empty into drains / surface water / ground water.

12.1. Toxicity

\*\*\*Toxicity to fish\*\*\*

**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
3,4-Epoxy cyclohexyl methyl-3,4-epoxy cyclohexyl carboxylate 2386-87-0	LC50	24 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
3-Ethylxetane-3-methanol 3047-32-3	LC50	7.500 mg/l	96 h	Brachydanio rerio (new name: Danio rerio)	OECD Guideline 203 (Fish, Acute Toxicity Test)
Reaction product of hydrogenated Bisphenol A and epichlorohydrin 30583-72-3	LC50	11,5 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
propylene carbonate 108-32-7	LC50	5.300 mg/l	96 h	Leuciscus idus	DIN 38412-15

\*\*\*Toxicity to daphnia\*\*\*

**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
3,4-Epoxy cyclohexyl methyl-3,4-epoxy cyclohexyl carboxylate 2386-87-0	EC50	40 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
3-Ethyloxtane-3-methanol 3047-32-3	EC50	6.910 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Reaction product of hydrogenated Bisphenol A and epichlorohydrin 30583-72-3	EC50	18,3 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Aromatic sulfonium hexafluoro antimonate 159120-95-3	EC50	0,68 mg/l	48 h	Daphnia magna	EU Method C.2 (Acute Toxicity for Daphnia)
propylene carbonate 108-32-7	EC50	> 500 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

\*\*\*New Chronic toxicity to aquat. invertebrates (SAP\_EHS\_1018\_006)\*\*\*

#### Chronic toxicity to aquatic invertebrates

No data available.

\*\*\*Toxicity to algae\*\*\*

**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
3,4-Epoxy cyclohexyl methyl-3,4-epoxy cyclohexyl carboxylate 2386-87-0	EC50	> 110 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
3,4-Epoxy cyclohexyl methyl-3,4-epoxy cyclohexyl carboxylate 2386-87-0	NOEC	30 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
3-Ethyloxtane-3-methanol 3047-32-3	ErC50	6.420 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Reaction product of hydrogenated Bisphenol A and epichlorohydrin 30583-72-3	EC50	> 100 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Reaction product of hydrogenated Bisphenol A and epichlorohydrin 30583-72-3	NOEC	> 100 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Aromatic sulfonium hexafluoro antimonate 159120-95-3	EC50	0,044 mg/l	72 h	Pseudokirchneriella subcapitata	EU Method C.3 (Algal Inhibition test)
Aromatic sulfonium hexafluoro antimonate 159120-95-3	NOEC	0,007 mg/l	72 h	Pseudokirchneriella subcapitata	EU Method C.3 (Algal Inhibition test)
propylene carbonate 108-32-7	EC50	> 900 mg/l	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
propylene carbonate 108-32-7	NOEC	900 mg/l	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)

\*\*\*New Toxicity to Microorganisms (SAP\_EHS\_1018\_004)\*\*\*

## 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
3,4-Epoxy cyclohexyl methyl-3,4-epoxy cyclohexyl carboxylate 2386-87-0	EC10	409 mg/l	3 h	activated sludge of a predominantly domestic sewage	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

propylene carbonate 108-32-7	EC10	> 10.000 mg/l	17 h		not specified
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\*\*\* Persistence and degradability\*\*\*

## 12.2. Persistence and degradability

Hazardous substances CAS-No.	Result	Test type	Degradability	Exposure time	Method
3,4-Epoxy cyclohexyl methyl-3,4-epoxy cyclohexyl carboxylate 2386-87-0	***Result*** not readily biodegradable.	***Oxygen conditions** * aerobic	***%Degradat ion of test substance***7 1 %	***Exposure Time***28 d	***Method*** OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)



Reaction product of hydrogenated Bisphenol A and epichlorohydrin 30583-72-3	***Result*** not readily biodegradable.	***Oxygen conditions** * aerobic	***%Degradation of test substance***0,1 %	***Exposure Time***28 d	***Method*** OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
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Aromatic sulfonium hexafluoro antimonate 159120-95-3	***Result*** not readily biodegradable.	***Oxygen conditions** * not specified	***%Degradation of test substance***37,9 %	***Exposure Time***28 d	***Method*** EU Method C.5 (Degradation: Biochemical Oxygen Demand)
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propylene carbonate 108-32-7	***Result*** inherently biodegradable	***Oxygen conditions** * aerobic	***%Degradation of test substance***>70 %	***Exposure Time***	***Method*** OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
propylene carbonate 108-32-7	***Result*** readily biodegradable	***Oxygen conditions** * aerobic	***%Degradation of test substance***98 %	***Exposure Time***	***Method*** OECD Guideline 301 E (Ready biodegradability: Modified OECD Screening Test)

### \*\*\* Bioaccumulative potential

#### 12.3. Bioaccumulative potential

No data available.

### \*\*\* Mobility in soil (partition coefficient octanol/water)

#### 12.4. Mobility in soil

Hazardous substances CAS-No.	LogPow	Temperature	Method
3,4-Epoxy cyclohexyl methyl-3,4-epoxy cyclohexyl carboxylate 2386-87-0	1,34	20 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Reaction product of hydrogenated Bisphenol A and epichlorohydrin 30583-72-3	3,84	20 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Aromatic sulfonium hexafluoro antimonate 159120-95-3	2,61	22 °C	EU Method A.8 (Partition Coefficient)

propylene carbonate 108-32-7	-0,41		not specified
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\*\*\* Results of PBT and vPvB assessment\*\*\*

## 12.5. Results of PBT and vPvB assessment

Hazardous substances CAS-No.	PBT / vPvB
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\*\*\* Results of PBT and vPvB assessment \*\*\*

3,4-Epoxy cyclohexyl methyl-3,4-epoxy cyclohexyl carboxylate 2386-87-0	***PBT/vPvB*** Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
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\*\*\* Results of PBT and vPvB assessment \*\*\*

3-Ethylloxetane-3-methanol 3047-32-3	***PBT/vPvB*** Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
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\*\*\* Results of PBT and vPvB assessment \*\*\*

Reaction product of hydrogenated Bisphenol A and epichlorohydrin 30583-72-3	***PBT/vPvB*** Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
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\*\*\* Results of PBT and vPvB assessment \*\*\*

propylene carbonate 108-32-7	***PBT/vPvB*** Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
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\*\*\*Sonstige Angaben\*\*\*

## 12.6. Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

\*\*\*Entsorgung des Produktes\*\*\*

\*\*\*Nationale Besonderheiten Slowakei\*\*

\*\*\*Abfallentsorgung Kap. 13\*\*

Product disposal:

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

Dispose of in accordance with local and national regulations.

\*\*\*Entsorgung ungereinigter Verpackungen\*\*

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

\*\*\*Empfohlenes Reinigungsmittel\*\*

\*\*\*Abfallschlüssel\*\*

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.

\*\*\*Nationale Besonderheiten Dänemark\*\*

\*\*\*Abfallentsorgung Kap. 13\*\*

## SECTION 14: Transport information

**14.1. UN number**

	ADR	3082
	RID	3082
	ADN	3082
	IMDG	3082
	IATA	3082

**14.2. UN proper shipping name**

	ADR	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aromat. sulfonium hexafluoro antimonate)
	RID	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aromat. sulfonium hexafluoro antimonate)
	ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aromat. sulfonium hexafluoro antimonate)
	IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aromat. sulfonium hexafluoro antimonate)
	IATA	Environmentally hazardous substance, liquid, n.o.s. (Aromat. sulfonium hexafluoro antimonate)

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

	ADR	9
	RID	9
	ADN	9
	IMDG	9
	IATA	9

**14.4. Packing group**

	ADR	III
	RID	III
	ADN	III
	IMDG	III
	IATA	III

**14.5. Environmental hazards**

	ADR	not applicable
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	RID	not applicable
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	ADN	not applicable
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	IMDG	Marine pollutant
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	IATA	not applicable
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<b>14.6.</b>	<b>Special precautions for user</b>	
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	ADR	not applicable
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		Tunnelcode:
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	RID	not applicable
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	ADN	not applicable
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	IMDG	not applicable
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	IATA	not applicable
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\*\*\*Gefahrenhinweise\*\*\*

\*\*\*Weitere Angaben für den Transport (SDB)\*\*\*

	The transport classifications in this section apply generally to packed and bulk goods alike. For containers with a net volume of no more than 5 L for liquid substances or a net mass of no more than 5 kg for solid substances per individual or inner package, the exemptions SP 375 (ADR), A197 (IATA), 2.10.2.7 (IMDG) may be applied, which can result in a deviation from the transport classification for packed goods.
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Steuerung Leerzeile  
Control temperature  
Emergency temperature

<b>14.7.</b>	<b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	
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	not applicable	
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## SECTION 15: Regulatory information

<b>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture</b>
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Normal SDS

Ozone Depleting Substance (ODS) (Regulation (EC) No 1005/2009):	Not applicable
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Prior Informed Consent (PIC) (Regulation (EU) No 649/2012):	Not applicable
Persistent organic pollutants (Regulation (EU) 2019/1021):	Not applicable

\*\*\*REACH Authorisation Number\*\*\*

\*\*\* Authorization Details \*\*\*

\*\*\*VOC-Gehalt \*\*\*

\*\*\*VOC-MSDS \*\*\*

VOC content (2010/75/EC)	< 3 %
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\*\*\*VOC Farben und Lacke (EU)\*\*\*

\*\*\*NMP phrase CHG0061415 DG 07-01-2020\*\*\*

\*\*\*Detergenzienverordnung, wenn gefordert\*\*\*

\*\*\*Schweden\*\*

\*\*\*Nationale Vorschriften Schweden\*\*\*

## 15.2. Chemical safety assessment

\*\*\*Chemical safety assessment \*\*\*

A chemical safety assessment has not been carried out.

\*\*\*Nationale Vorschriften\*\*\*

\*\*\*Deutschland\*\*\*

\*\*\*Österreich\*\*\*

\*\*\*Belgien\*\*\*

\*\*\*Niederlande\*\*\*

\*\*\*Schweiz\*\*\*

\*\*\*Italien\*\*\*

\*\*\*Frankreich\*\*\*

\*\*\*Norwegen\*\*\*

\*\*\*Dänemark\*\*\*

\*\*\*Tschechische Republik\*\*\*

\*\*\*Großbritannien\*\*\*

\*\*\*Polen\*\*\*

\*\*\*Bulgarien\*\*\*

\*\*\*Griechenland\*\*\*

\*\*\*Slowakei\*\*\*

\*\*\*Lithuania\*\*\*

\*\*\*Estonia\*\*\*

\*\*\*Croatia\*\*\*

\*\*\*Hungary\*\*\*

\*\*\*Romania\*\*\*

\*\*\*Belarus / Weissrussland\*\*\*

\*\*\*Bosnia Herzegovina / Bosnien-Herzegowina\*\*\*

\*\*\*Georgia / Georgien\*\*\*

\*\*\*Kasachstan / Kazachstan\*\*\*

\*\*\*Lettland / Latvia\*\*\*

\*\*\*Russia / Russland\*\*\*

\*\*\*Slovenia / Slowenien\*\*\*

\*\*\*Turkey / Türkei\*\*\*

\*\*\*Ukraine / Ukraine\*\*\*

\*\*\*South Africa / Südafrika\*\*\*

\*\*\*Deutschland\*\*

\*\*\*Wassergefährdungsklasse\*\*\*

\*\*\*BG-Vorschriften, -Regeln, -Infos\*\*

\*\*\*Lagerklasse\*\*\*

\*\*\*TRG300\*\*\*

\*\*\*TA-Luft\*\*\*

\*\*\*GIS-Bau Info\*\*

\*\*\*GEV Info\*\*

\*\*\*Temperaturklasse nach EN 50014\*\*

\*\*\*Nationale Hinweise DE\*\*

\*\*\*Österreich\*\*

\*\*\*Allgemeine Hinweise Österreich\*\*\*

\*\*\*VbF-Klasse\*\*\*  
\*\*\*Belgien\*\*  
\*\*\*Allgemeine Hinweise Belgien\*\*\*  
\*\*\*Niederlande\*\*  
\*\*\*Allgemeine Hinweise Niederlande\*\*\*  
\*\*\*Schweiz\*\*  
\*\*\*Giftklasse Schweiz\*\*\*  
\*\*\*Allgemeine Hinweise Schweiz\*\*\*  
\*\*\*Allgemeine Hinweise Italien\*\*\*  
\*\*\*Frankreich\*\*  
\*\*\*Nationale Vorschriften Frankreich\*\*\*  
\*\*\*Allgemeine Hinweise\*\*\*  
\*\*\*Arbeitsschutz Tabellen Nr\*\*\*  
\*\*\*INRS Card No\*\*\*  
\*\*\*Norwegen\*\*  
\*\*\*Nationale Vorschriften Norwegen\*\*\*  
\*\*\*Dänemark\*\*  
\*\*\*Nationale Vorschriften Dänemark\*\*\*  
\*\*\*Danske saerrelger\*\*\*  
\*\*\*Nationale Bestimmungen\*\*\*  
\*\*\*Dänische Code-Nummer\*\*  
\*\*\*Schweden\*\*  
\*\*\*Nationale Vorschriften Schweden\*\*\*  
\*\*\*Tschechische Republik\*\*  
\*\*\*Nationale Vorschriften Tschechische Republik\*\*\*  
\*\*\*Großbritannien\*\*  
\*\*\*Nationale Vorschriften Großbritannien\*\*\*  
\*\*\*Polen\*\*  
\*\*\*Nationale Vorschriften Polen\*\*\*  
\*\*\*Slowakei\*\*  
\*\*\*Nationale Vorschriften Slowakei\*\*\*  
\*\*\*Bulgarien\*\*  
\*\*\*Nationale Vorschriften Bulgarien\*\*\*  
\*\*\*Griechenland\*\*  
\*\*\*Nationale Vorschriften Griechenland\*\*\*  
\*\*\*Allgemeine Hinweise Lithuania\*\*\*  
\*\*\*Allgemeine Hinweise Estonia\*\*\*  
\*\*\*Allgemeine Hinweise Croatia\*\*\*  
\*\*\*Allgemeine Hinweise Hungary\*\*\*  
\*\*\*Allgemeine Hinweise Romania\*\*\*  
\*\*\*Allgemeine Hinweise Belarus / Weissrussland\*\*\*  
\*\*\*Allgemeine Hinweise Bosnia Herzegovina / Bosnien-Herzegowina\*\*\*  
\*\*\*Allgemeine Hinweise Georgia / Georgien\*\*\*  
\*\*\*Allgemeine Hinweise Kasachstan / Kazakhstan\*\*\*  
\*\*\*Allgemeine Hinweise Latvia / Lettland\*\*\*  
\*\*\*Allgemeine Hinweise Russia / Russland\*\*\*  
\*\*\*Allgemeine Hinweise Slovenia / Slowenien\*\*\*  
\*\*\*Allgemeine Hinweise Turkey / Türkei\*\*\*  
\*\*\*Allgemeine Hinweise Ukraine / Ukraine\*\*\*  
\*\*\*Allgemeine Hinweise South Africa / Südafrika\*\*\*  
\*\*\*Deutschland\*\*  
\*\*\*Wassergefährdungsklasse\*\*\*  
\*\*\*BG-Vorschriften, -Regeln, -Infos\*\*  
\*\*\*Lagerklasse\*\*\*  
\*\*\*TRG300\*\*\*  
\*\*\*TA-Luft\*\*\*  
\*\*\*GIS-Bau Info\*\*  
\*\*\*GEV Info\*\*  
\*\*\*Temperaturklasse nach EN 50014\*\*  
\*\*\*Nationale Hinweise DE\*\*  
\*\*\*Österreich\*\*  
\*\*\*Allgemeine Hinweise Österreich\*\*\*  
\*\*\*VbF-Klasse\*\*\*  
\*\*\*Belgien\*\*  
\*\*\*Allgemeine Hinweise Belgien\*\*\*  
\*\*\*Niederlande\*\*  
\*\*\*Allgemeine Hinweise Niederlande\*\*\*  
\*\*\*Schweiz\*\*  
\*\*\*Giftklasse Schweiz\*\*\*  
\*\*\*Allgemeine Hinweise Schweiz\*\*\*  
\*\*\*Allgemeine Hinweise Italien\*\*\*  
\*\*\*Frankreich\*\*  
\*\*\*Nationale Vorschriften Frankreich\*\*\*

\*\*\*Allgemeine Hinweise\*\*\*  
\*\*\*Abeitsschutz Tabellen Nr\*\*\*  
\*\*\*INRS Card No\*\*\*  
\*\*\*Norwegen\*\*  
\*\*\*Nationale Vorschriften Norwegen\*\*\*  
\*\*\*Dänemark\*\*  
\*\*\*Nationale Vorschriften Dänemark\*\*\*  
\*\*\*Danske saerrelger\*\*\*  
\*\*\*Nationale Bestimmungen\*\*\*  
\*\*\*Dänische Code-Nummer\*\*  
\*\*\*Schweden\*\*  
\*\*\*Nationale Vorschriften Schweden\*\*\*  
\*\*\*Tschechische Republik\*\*  
\*\*\*Nationale Vorschriften Tschechische Republik\*\*\*  
\*\*\*Großbritannien\*\*  
\*\*\*Nationale Vorschriften Großbritannien\*\*\*  
\*\*\*Polen\*\*  
\*\*\*Nationale Vorschriften Polen\*\*\*  
\*\*\*Slowakei\*\*  
\*\*\*Nationale Vorschriften Slowakei\*\*\*  
\*\*\*Bulgarien\*\*  
\*\*\*Nationale Vorschriften Bulgarien\*\*\*  
\*\*\*Griechenland\*\*  
\*\*\*Nationale Vorschriften Griechenland\*\*\*  
\*\*\*Allgemeine Hinweise Lithuania\*\*\*  
\*\*\*Allgemeine Hinweise Estonia\*\*\*  
\*\*\*Allgemeine Hinweise Croatia\*\*\*  
\*\*\*Allgemeine Hinweise Hungary\*\*\*  
\*\*\*Allgemeine Hinweise Romania\*\*\*  
\*\*\*Allgemeine Hinweise Belarus / Weissrussland\*\*\*  
\*\*\*Allgemeine Hinweise Bosnia Herzegovina / Bosnien-Herzegowina\*\*\*  
\*\*\*Allgemeine Hinweise Georgia / Georgien\*\*\*  
\*\*\*Allgemeine Hinweise Kasachstan / Kazakhstan\*\*\*  
\*\*\*Allgemeine Hinweise Latvia / Lettland\*\*\*  
\*\*\*Allgemeine Hinweise Russia / Russland\*\*\*  
\*\*\*Allgemeine Hinweise Slovenia / Slowenien\*\*\*  
\*\*\*Allgemeine Hinweise Turkey / Türkei\*\*\*  
\*\*\*Allgemeine Hinweise Ukraine / Ukraine\*\*\*  
\*\*\*Allgemeine Hinweise South Africa / Südafrika\*\*\*  
\*\*\*Deutschland\*\*  
\*\*\*Wassergefährdungsklasse\*\*\*  
\*\*\*BG-Vorschriften, -Regeln, -Infos\*\*  
\*\*\*Lagerklasse\*\*\*  
\*\*\*TRG300\*\*\*  
\*\*\*TA-Luft\*\*\*  
\*\*\*GIS-Bau Info\*\*  
\*\*\*GEV Info\*\*  
\*\*\*Tmperaturklasse nach EN 50014\*\*  
\*\*\*Nationale Hinweise DE\*\*  
\*\*\*Österreich\*\*  
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## 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:

\*\*\*H-Sätze aus Kapitel 2\*\*\*

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

\*\*\*Sonstige Angaben\*\*\*

**Further information:**

This Safety Data Sheet has been produced for sales from Henkel to parties purchasing from Henkel, is based on Regulation (EC) No 1907/2006 and provides information in accordance with applicable regulations of the European Union only. In that respect, no statement, warranty or representation of any kind is given as to compliance with any statutory laws or regulations of any other jurisdiction or territory other than the European Union. When exporting to territories other than the European Union, please consult with the respective Safety Data Sheet of the concerned territory to ensure compliance or liaise with Henkel's Product Safety and Regulatory Affairs Department (ua-productsafety.de@henkel.com) prior to export to other territories than the European Union.

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

\*\*\*Sonstige Angaben\*\*\*

Dear Customer,  
Henkel is committed to creating a sustainable future by promoting opportunities along the entire value chain. If you would like to contribute by switching from a paper to the electronic version of SDS, please contact the local Customer Service representative. We recommend to use a non-personal email address (e.g. SDS@your\_company.com).

\*\*\*Relevant changes in this SDS are indicated by vertical lines and text in a different color on shattened fields in the body of this document\*\*\*

**Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.**

\*\*\*Nationale Vorschriften Dänemark\*\*\*

\*\*\*Besondere Phrasen\*\*\*

\*\*\*Annex-Link für mymsds\*\*\*