



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008  
This SDS is for generic information purposes and does not reflect required country specific information for OEL

FIX-O-CHEM -PART A  
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product Name FIX-O-CHEM -PART A  
Pure substance/mixture Mixture

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

Recommended use Adhesive  
Uses advised against None known.

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

#### Company Name

Bostik AB  
Strandbadsvaegen 22  
PO Box 903  
25109 Helsingborg, Sweden  
Tel: +46 42 19 50 00  
Fax: +46 42 19 50 20

E-mail address SDS.box-EU@bostik.com

### 1.4. Emergency telephone number

Emergency Telephone

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin sensitisation	Category 1 - (H317)
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### 2.2. Label elements

Contains 1,4-Butanediol dimethacrylate, Ethylene dimethacrylate, Methacrylic acid, monoester with propane-1,2-diol,  
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol



Signal word  
Warning

Hazard statements

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H317 - May cause an allergic skin reaction

## Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray

P280 - Wear protective gloves

P302 + P352 - IF ON SKIN: Wash with plenty of water and soap

P501 - Dispose of contents/ container to an approved waste disposal plant

## Additional information

This product is part of a kit. Please also refer to the SDS for the other component(s) of the kit.

## 2.3. Other hazards

Causes mild skin irritation. Harmful to aquatic life.

## PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical name	EC No (EU Index No).	CAS No.	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	REACH registration number
1,4-Butanediol dimethacrylate 10 - <20 %	218-218-1	2082-81-7	Skin Sens. 1 (H317)	-	-	-	01-2119967415-30-XXXX
Vinyltoluene 5 - <10 %	246-562-2	25013-15-4	Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H332) Flam Liq. 3 (H226)	-	-	-	01-2119622074-50-xxxx
Ethylene dimethacrylate 1 - <5 %	202-617-2	97-90-5	Skin Sens. 1 (H317) STOT SE 3 (H335)	STOT SE 3 :: C>=10%	-	-	01-2119965172-38-xxxx
Methacrylic acid, monoester with propane-1,2-diol 1 - <2.5 %	248-666-3	27813-02-1	Eye Irrit. 2 (H319) Skin Sens. 1 (H317)	-	-	-	01-2119490226-37-XXXX
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]ethanol 0.1 - <1 %	911-490-9	--	Eye Dam. 1 (H318) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Acute Tox. 4 (H302) Aquatic Chronic 3 (H412)	-	-	-	01-2119979579-10-xxxx
2,2,4-Trimethyl-1,3-pentenediol diisobutyrate 0.1 - <1 %	229-934-9	6846-50-0	Repr. 2 (H361d) Aquatic Chronic 3 (H412)	-	-	-	01-2119451093-47-XXXX
1,1'-(p-tolylimino)dipropylol 0.1 - <1 %	254-075-1	38668-48-3	Acute Tox. 2 (H300) Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412)	-	-	-	01-2119980937-17-xxxx
1,4-naphthoquinone	204-977-6	130-15-4	Acute Tox. 1 (H330)	-	10	1	01-2120760462-

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0.01 - < 0.05 %			Acute Tox. 3 (H301) STOT SE 3 (H335) Skin Corr. 1C (H314) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)				57-xxxx
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Full text of H- and EUH-phrases: see section 16

## Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	EC No (EU Index No)	CAS No	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour dust/mist - mg/L	Inhalation LC50 - 4 hour vapour - mg/L	Inhalation LC50 - 4 hour gas - ppm
1,4-Butanediol dimethacrylate	218-218-1	2082-81-7	-	-	-	-	-
Vinyltoluene	246-562-2	25013-15-4	-	-	1.5	-	-
Ethylene dimethacrylate	202-617-2	97-90-5	-	2002	-	-	-
Methacrylic acid, monoester with propane-1,2-diol	248-666-3	27813-02-1	-	-	-	-	-
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol	911-490-9	--	619	-	-	-	-
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	229-934-9	6846-50-0	-	-	-	-	-
1,1'-(p-tolylimino)dipropyl-2-ol	254-075-1	38668-48-3	50	-	-	-	-
1,4-naphthoquinone	204-977-6	130-15-4	124	-	0.005	-	-

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## Notes

See section 16 for more information

Chemical name	Notes
Ethylene dimethacrylate - 97-90-5	D

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	IF exposed or concerned: Get medical advice/attention. Remove to fresh air.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.

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**Skin contact** Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor.

**Ingestion** Clean mouth with water. Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person.

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

**Symptoms** Itching. Rashes. Hives. Prolonged contact may cause redness and irritation.

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

**Note to doctors** May cause sensitisation in susceptible persons. Treat symptomatically.

### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Full water jet.

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

**Specific hazards arising from the chemical** Product is or contains a sensitiser. May cause sensitisation by skin contact.

**Hazardous combustion products** Carbon oxides.

#### 5.3. Advice for firefighters

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

### **SECTION 6: Accidental release measures**

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

**Personal precautions** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**For emergency responders** Use personal protection recommended in Section 8.

#### 6.2. Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

#### 6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Advice on safe handling** Please also refer to the SDS for the other component(s) of the kit. This product is part of a kit. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

### 7.3. Specific end use(s)

**Specific use(s)**  
Adhesive.

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

**Other information** Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure Limits

**Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.**

**Derived No Effect Level (DNEL)** No information available

#### Derived No Effect Level (DNEL)

Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol (--)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	9.8 mg/m <sup>3</sup>	
worker Long term Systemic health effects	Dermal	1.4 mg/kg bw/d	

#### 2,2,4-Trimethyl-1,3-pentanediol diisobutyrate (6846-50-0)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Systemic health effects Long term	Dermal	3.12 mg/kg bw/d	
worker Systemic health effects Long term	Inhalation	110 mg/m <sup>3</sup>	

#### 1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)

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Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	2.47 mg/m <sup>3</sup>	
worker Long term Systemic health effects	Dermal	0.7 mg/kg bw/d	

<b>Derived No Effect Level (DNEL)</b>			
<b>Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol (--)</b>			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Inhalation	2.9 mg/m <sup>3</sup>	
Consumer Long term Systemic health effects	Dermal	0.83 mg/kg bw/d	
Consumer Long term Systemic health effects	Oral	0.83 mg/kg bw/d	

<b>2,2,4-Trimethyl-1,3-pentanediol diisobutyrate (6846-50-0)</b>			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Systemic health effects Long term	Dermal	18.8 mg/kg bw/d	
Consumer Systemic health effects Long term	Inhalation	32.6 mg/m <sup>3</sup>	
Consumer Systemic health effects Long term	Oral	18.8 mg/kg bw/d	

<b>1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)</b>			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Oral	0.25 mg/kg bw/d	

**Predicted No Effect Concentration (PNEC)** No information available.

<b>Predicted No Effect Concentration (PNEC)</b>	
<b>Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol (--)</b>	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.048 mg/l
Marine water	0.005 mg/l
Microorganisms in sewage treatment	10 mg/l
Freshwater sediment	1.2 mg/kg dry weight
Marine sediment	0.12 mg/kg dry weight
Soil	0.21 mg/kg dry weight

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<b>2,2,4-Trimethyl-1,3-pentanediol diisobutyrate (6846-50-0)</b>	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.014 mg/l
Marine water	0.0014 mg/l
Freshwater sediment	1.15 mg/kg dry weight
Marine sediment	0.115 mg/kg dry weight
Soil	0.926 mg/kg dry weight
Microorganisms in sewage treatment	3 mg/l

<b>1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)</b>	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.017 mg/l
Marine water	0.002 mg/l
Sewage treatment plant	199.5 mg/l
Freshwater sediment	0.163 mg/kg dry weight
Marine sediment	0.016 mg/kg dry weight
Soil	0.023 mg/kg dry weight

## 8.2. Exposure controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

### Personal protective equipment

**Eye/face protection**

Tight sealing safety goggles.

**Hand protection**

Wear protective gloves. Nitrile rubber. Glove thickness > 0.4 mm. The breakthrough time for the mentioned glove material is in general greater than 480 min. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Gloves must conform to standard EN 374.

**Skin and body protection**

Suitable protective clothing.

**Environmental exposure controls** Do not allow uncontrolled discharge of product into the environment.

## SECTION 9: Physical and chemical properties

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

<b>Physical state</b>	Solid
<b>Appearance</b>	Paste
<b>Colour</b>	Beige
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>Melting point / freezing point</b>	No information available .	None known
<b>Initial boiling point and boiling range</b>	No data available	None known
<b>Flammability</b>	No data available	None known
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Flash point</b>	Not applicable .	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>		None known
<b>pH</b>	No data available	None known.
<b>pH (as aqueous solution)</b>	No data available	Not applicable
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	
<b>Water solubility</b>	Insoluble.	None known
<b>Solubility(ies)</b>	No data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Vapour pressure</b>	No data available	None known

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Relative density	No data available	None known
Bulk Density	No data available	
Density	1.72	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

## 9.2. Other information

Solid content (%)	No information available
VOC content	No data available

9.2.1. Information with regards to physical hazard classes  
Not applicable

9.2.2. Other safety characteristics  
No information available

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

Reactivity No information available.

### 10.2. Chemical stability

Stability Stable under normal conditions.

### Explosion data

Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

### 10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

### 10.5. Incompatible materials

Incompatible materials None known based on information supplied.

### 10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions. Stable under recommended storage conditions.

## **SECTION 11: Toxicological information**

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Information on likely routes of exposure

#### Product Information

Inhalation	Based on available data, the classification criteria are not met.
Eye contact	Based on available data, the classification criteria are not met.



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**Skin contact** May cause sensitisation by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes mild skin irritation.

**Ingestion** Based on available data, the classification criteria are not met.

## Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Itching. Rashes. Hives. Prolonged contact may cause redness and irritation.

## Acute toxicity

### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 10,204.10 mg/kg  
ATEmix (dermal) 40,444.40 mg/kg  
ATEmix (inhalation-dust/mist) 20.193 mg/l

### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
1,4-Butanediol dimethacrylate	10066 mg/Kg (Rattus) (OECD 401)	>3000 mg/Kg	-
Vinyltoluene	=2255 mg/kg (Rattus) = 4000 mg/kg (Rattus)	> 5 mL/kg ( Rabbit )	> 16891 mg/m <sup>3</sup> ( Rat ) 4 h
Ethylene dimethacrylate	>3300 mg/kg (Rattus)	> 2000 mg/kg ( Rat )	-
Methacrylic acid, monoester with propane-1,2-diol	=11200 mg/kg (Rattus)	> 3000 mg/kg (Oryctolagus cuniculus)	-
Reaction mass of 2,2'-[(4-methylphenyl)imino]bis ethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol	LD50 = 619 mg/Kg Rat (OECD 401)	LD50 >2000 mg/Kg Rat OECD Guideline 402)	-
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	>3200 mg/kg (Rattus)	>2000 mg/Kg (Oryctolagus cuniculus)	>5.3 mg/L (Rattus) 6 h
1,1'-(p-tolylimino)dipropan-2-ol	LD50 >25<200 mg/kg bw (Rattus)(OECD guideline 423)	LD50 >2000 mg/kg (Rattus) OECD 402	-
1,4-naphthoquinone	=124 mg/kg (Rattus)	= 202 mg/kg (Rattus)	-

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** May cause sensitisation by skin contact.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

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**Reproductive toxicity** Based on available data, the classification criteria are not met.

2,2,4-Trimethyl-1,3-pentanediol diisobutyrate (6846-50-0)

Method	Species	Results
OECD Test No. 421: Reproduction/Developmental Toxicity Screening Test	Rat	NOAEL 276 mg/kg bw/d
OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test	Rat	NOAEL 750 mg/kg bw/d

**STOT - single exposure** Based on available data, the classification criteria are not met.

**STOT - repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

### 11.2.2. Other information

**Other adverse effects** No information available.

**Note:** PC-ADH-8 Multi-component adhesives and sealants Please also refer to the SDS for the other component(s) of the kit This product is part of a kit

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity** Harmful to aquatic life.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Vinyltoluene 25013-15-4	-	LC50: =23.4mg/L (96h, Pimephales rafinesque)	-	EC50 >=9.3 mg/l (Daphnia magna)		
Ethylene dimethacrylate 97-90-5	-	LC50: =15.95mg/L (96h, Danio rerio)	-	EC50 >=44.9 mg/l (Daphnia magna)		
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	-	LC50: =493mg/L (48h, Leuciscus idus melanotus)	-	LC50 > 143 mg/l Daphnia magna (OECD 202)		
Reaction mass of 2,2'-[(4-methylphenyl)di- mino]bisethanol and 2-[[2-(2-hydroxyethoxy)]	EC50 (72h) >100 mg/L Algae (Pseudokirchner ella subcapitata)	LC50 (96h) >100mg/L (Cyprinus carpio)	-	EC50 (48h) = 48 mg/L Daphnia magna		

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ethyl[(4-methylphenyl)amino]-ethanol --						
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate 6846-50-0	-	LC50: >1.55mg/L (96h, Pimephales promelas)	-	EC50: >1.46mg/L (48h, Daphnia magna)		
1,1'-(p-tolylimino)dipropan-2-ol 38668-48-3	EC50 (72h) = 245 mg/L (Desmodemus subspicatus) OECD 201	LC50 (96h) = 17 mg/L (Danio rerio)	-	EC50 (48h) = 28.8 mg/L (Daphnia magna)		
1,4-naphthoquinone 130-15-4	EC50 72hr : 0.42 mg/L NOEC : 0.0697 mg/L OECD 201 (Raphidocelis subcapitata)	LC50 96hr 0.045 mg/L OECD203 (Oryzias latipes)	-	EC50 48h: 0.026 mg/l OECD 202 (daphnia magna)	10	1

## 12.2. Persistence and degradability

**Persistence and degradability** No information available.

1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)

Method	Exposure time	Value	Results
OECD Test No. 301B: Ready Biodegradability: CO2 Evolution Test (TG 301 B)	5 days	39%	

## 12.3. Bioaccumulative potential

### Bioaccumulation

#### Component Information

Chemical name	Partition coefficient
1,4-Butanediol dimethacrylate	3.1
Vinyltoluene	3.36
Ethylene dimethacrylate	2.4
Methacrylic acid, monoester with propane-1,2-diol	0.97
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-ethanol	2.17
1,1'-(p-tolylimino)dipropan-2-ol	2.1
1,4-naphthoquinone	1.78

## 12.4. Mobility in soil

**Mobility in soil** No information available.

## 12.5. Results of PBT and vPvB assessment

### PBT and vPvB assessment

Chemical name	PBT and vPvB assessment
1,4-Butanediol dimethacrylate	The substance is not PBT / vPvB
Vinyltoluene	The substance is not PBT / vPvB
Ethylene dimethacrylate	The substance is not PBT / vPvB
Methacrylic acid, monoester with propane-1,2-diol	The substance is not PBT / vPvB
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	The substance is not PBT / vPvB
1,1'-(p-tolylimino)dipropan-2-ol	The substance is not PBT / vPvB

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1,4-naphthoquinone	The substance is not PBT / vPvB
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## 12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

## 12.7. Other adverse effects

No information available.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**Waste from residues/unused products** Dispose of waste in accordance with environmental legislation. Dispose of in accordance with local regulations.

**Contaminated packaging** Do not reuse empty containers.

**European Waste Catalogue** 08 04 09\* waste adhesives and sealants containing organic solvents or other dangerous substances  
15 01 10\*: Packaging containing residues of or contaminated by dangerous substances

**Other information** Waste codes should be assigned by the user based on the application for which the product was used.

## **SECTION 14: Transport information**

### Land transport (ADR/RID)

14.1 UN number or ID number Not regulated  
14.2 Proper Shipping Name Not regulated  
14.3 Transport hazard class(es) Not regulated  
14.4 Packing group Not regulated  
14.5 Environmental hazards Not applicable  
14.6 Special Provisions None

### IMDG

14.1 UN number or ID number Not regulated  
14.2 Proper Shipping Name Not regulated  
14.3 Transport hazard class(es) Not regulated  
14.4 Packing group Not regulated  
14.5 Marine pollutant NP  
14.6 Special Provisions None  
14.7 Maritime transport in bulk according to IMO instruments Not applicable

### Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number Not regulated  
14.2 Proper Shipping Name Not regulated  
14.3 Transport hazard class(es) Not regulated  
14.4 Packing group Not regulated  
14.5 Environmental hazards Not applicable  
14.6 Special Provisions None

## **Section 15: REGULATORY INFORMATION**

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

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## European Union

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

## Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

### **SVHC: Substances of Very High Concern for Authorisation:**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

### **EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction**

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

### **Substance subject to authorisation per REACH Annex XIV**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

### **Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

### **Persistent Organic Pollutants**

Not applicable

## National regulations

### France

#### **Occupational Illnesses (R-463-3, France)**

Chemical name	French RG number
1,4-Butanediol dimethacrylate 2082-81-7	RG 65
Ethylene dimethacrylate 97-90-5	RG 65
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	RG 65

### Germany

#### **Ordinance on Industrial Safety and Health - Germany - BetrSichV**

No flammable liquids in accordance with BetrSichV

**Water hazard class (WGK)** slightly hazardous to water (WGK 1)

### Netherlands

#### **List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)**

Not Listed

### Sweden

Occupational exposure limits AFS 2018:1

Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any

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work causing harmful exposure to this product. AFS 2012:3

## Denmark

Registration number(s) (P-no.) No information available

AT-Guide C.0.1 August 2007: Limit values for substances and materials

## Norway

Registration number(s) (PRN-no.) 633537

## 15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture.

## **SECTION 16: Other information**

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### **Full text of H-Statements referred to under section 3**

H226 - Flammable liquid and vapour

H300 - Fatal if swallowed

H301 - Toxic if swallowed

H302 - Harmful if swallowed

H304 - May be fatal if swallowed and enters airways

H314 - Causes severe skin burns and eye damage

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H319 - Causes serious eye irritation

H330 - Fatal if inhaled

H332 - Harmful if inhaled

H335 - May cause respiratory irritation

H361d - Suspected of damaging the unborn child

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

#### **Notes assigned to an entry**

**Note D:** Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3.

However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'

SVHC: Substances of Very High Concern for Authorisation:

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals

STOT RE: Specific target organ toxicity - Repeated exposure

STOT SE: Specific target organ toxicity - Single exposure

EWC: European Waste Catalogue

LOW: List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IATA: International Air Transport Association

ICAO: ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG: International Maritime Dangerous Goods

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

#### **Legend SECTION 8: Exposure controls/personal protection**

TWA TWA (time-weighted average)

STEL

STEL (Short Term Exposure Limit)

AGW Occupational exposure limit value

BGW

Biological limit value

Ceiling Maximum limit value

\*

Skin designation

#### Classification procedure

Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used

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Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - Vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

## Key literature references and sources for data used to compile the SDS

European Food Safety Authority (EFSA)

European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)

European Chemicals Agency (ECHA) (ECHA\_API)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGl(s))

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

NIOSH (National Institute for Occupational Safety and Health)

Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications

Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme

Organisation for Economic Co-operation and Development Screening Information Data Set

**Prepared By** Product Safety & Regulatory Affairs

**Revision date** 23-Sep-2022

**Training Advice** No information available

**Further information** No information available

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

## Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

**End of Safety Data Sheet**