

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

### 1.1 Product identifier

**Product name:** ANAPURNA 200 FLUSH

**Product No.:** 000001016070

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

**Identified uses:** Flushing solution

**Uses advised against:** Reserved for industrial and professional use.

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

#### Manufacturer

Agfa NV  
Septestraat 27  
2640 Mortsel  
Belgium

**Telephone:** +32 3 4442111

**Fax:** +32 3 4447094

**E-mail:** electronic.sds@agfa.com

#### National Supplier

Agfa NV - UK Branch  
Vantage West  
Great West Road  
Brentford, Middlesex TW8 9AX  
United Kingdom

**Telephone:** +44 (0)20 8 231 4616

**Fax:** +44 (0)20 8 231 4951

**E-mail:** electronic.sds@agfa.com

### 1.4 Emergency telephone number:

Emergency telephone number (Belgium) : +32 3 4443333 (24h/24h)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

**Classification according to Regulation (EC) No 1272/2008 as amended.**

#### Health Hazards

Skin irritation	Category 2	H315: Causes skin irritation.
Serious eye damage	Category 1	H318: Causes serious eye damage.
Skin sensitizer	Category 1A	H317: May cause an allergic skin reaction.

#### Environmental Hazards

Chronic hazards to the aquatic environment	Category 2	H411: Toxic to aquatic life with long lasting effects.
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### 2.2 Label Elements

**Contains:** Oxybis(methyl-2,1-ethanediyl) diacrylate



**Signal Word:** Danger

**Hazard Statement(s):**  
 H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H318: Causes serious eye damage.  
 H411: Toxic to aquatic life with long lasting effects.

**Precautionary Statements**

**Prevention:**  
 P273: Avoid release to the environment.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310: Immediately call a POISON CENTER/doctor.

**2.3 Other hazards** Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria Not fulfilling vPvB (very persistent/very bioaccumulative) criteria

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**General information:** No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Oxybis(methyl-2,1-ethanediyl) diacrylate	20 - <50%	57472-68-1	260-754-3	01-2119484629-21-XXXX	No data available.	
Phenoxyethylacrylate	25 - <50%	48145-04-6	256-360-6	01-2119980532-35-XXXX	No data available.	
ethoxylated trimethylolpropane triacrylate	20 - <50%	28961-43-5	500-066-5	01-2119489900-30-XXXX	No data available.	
2,6-bis(1,1-dimethylethyl)-4-methylphenol	0.1 - <0.25%	128-37-0	204-881-4	01-2119565113-46-0000	1	#

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

# This substance has workplace exposure limit(s).

**Classification**

Chemical name	Classification	Notes
Oxybis(methyl-2,1-ethanediyl) diacrylate	Skin Sens.: 1: H317 Eye Dam.: 1: H318 Skin Irrit.: 2: H315	
Phenoxyethylacrylate	Skin Sens.: 1A: H317 Aquatic Chronic: 2: H411	
ethoxylated trimethylolpropane triacrylate	Eye Irrit.: 2: H319 Skin Sens.: 1: H317	
2,6-bis(1,1-dimethylethyl)-4-methyl-phenol	Aquatic Acute: 1: H400 Aquatic Chronic: 1: H410	No data available.

The full text for all H-statements is displayed in section 16.

CLP: Regulation No. 1272/2008.

#### SECTION 4: First aid measures

**General:** CAUTION! First aid personnel must be aware of own risk during rescue!

##### 4.1 Description of first aid measures

**Inhalation:** Move to fresh air.

**Skin Contact:** Get medical attention. Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.

**Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Call a physician or poison control center immediately.

**Ingestion:** Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

**Personal Protection for First-aid Responders:** See Section 8 of the SDS for Personal Protective Equipment.

**4.2 Most important symptoms and effects, both acute and delayed:** See section 11 of the SDS for additional information on health hazards.

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

**Hazards:** See section 11 of the SDS for additional information on health hazards.

**Treatment:** Get medical attention if symptoms occur.

#### SECTION 5: Firefighting measures

**General Fire Hazards:** No unusual fire or explosion hazards noted.

##### 5.1 Extinguishing media

**Suitable extinguishing media:** Extinguish with foam, carbon dioxide, dry powder or water fog.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**5.2 Special hazards arising from the substance or mixture:** During fire, gases hazardous to health may be formed.

##### 5.3 Advice for firefighters

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Put on protective equipment before entering danger area.
- 6.2 Environmental Precautions:** Avoid release to the environment. Prevent further leakage or spillage if safe to do so.
- 6.3 Methods and material for containment and cleaning up:** Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.
- 6.4 Reference to other sections:** See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

## SECTION 7: Handling and storage:

- 7.1 Precautions for safe handling:** Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
- 7.2 Conditions for safe storage, including any incompatibilities:** Store away from incompatible materials.
- 7.3 Specific end use(s):** Reserved for industrial and professional use.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters

#### Occupational Exposure Limits

Chemical name	Type	Exposure Limit Values	Source
2,6-bis(1,1-dimethylethyl)-4-methyl-phenol	TWA	10 mg/m <sup>3</sup>	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

#### DNEL-Values

Critical component	Type	Route of Exposure	Health Warnings	Remarks
Oxybis(methyl-2,1-ethanediyl) diacrylate	General population	Dermal	Systemic, long-term; 1.66 mg/kg	Repeated dose toxicity
	General population	Oral	Systemic, long-term; 2.08 mg/kg	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 24.48 mg/m <sup>3</sup>	Repeated dose toxicity
	Workers	Dermal	Systemic, long-term; 2.77 mg/kg	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term; 7.24 mg/m <sup>3</sup>	Repeated dose toxicity
Phenoxyethylacrylate	Workers	Dermal	Systemic, long-term; 1.5 mg/kg	Repeated dose toxicity

	Workers	Inhalation	Local, long-term; 77 mg/m <sup>3</sup>	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 10 mg/m <sup>3</sup>	Repeated dose toxicity
ethoxylated trimethylolpropane triacrylate	General population	Oral	Systemic, long-term; 1.4 mg/kg	Repeated dose toxicity
	Workers	Dermal	Systemic, long-term; 0.8 mg/kg	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term; 4.9 mg/m <sup>3</sup>	Repeated dose toxicity
	General population	Dermal	Systemic, long-term; 0.5 mg/kg	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 16.2 mg/m <sup>3</sup>	Repeated dose toxicity
2,6-bis(1,1-dimethylethyl)-4-methyl-phenol	General population	Oral	Systemic, short-term; 100 mg/kg	
	General population	Dermal	Systemic, long-term; 0.25 mg/kg	Repeated dose toxicity
	Workers	Dermal	Systemic, long-term; 8.3 mg/kg	
	General population	Inhalation	Systemic, long-term; 1.74 mg/m <sup>3</sup>	
	Workers	Dermal	Systemic, long-term; 0.3 mg/kg	
	Workers	Dermal	Systemic, long-term; 0.5 mg/kg	Repeated dose toxicity
	General population	Dermal	Systemic, long-term; 0.17 mg/kg	
	General population	Oral	Systemic, long-term; 0.17 mg/kg	
	General population	Inhalation	Systemic, long-term; 2.5 mg/m <sup>3</sup>	
	Workers	Dermal	Systemic, short-term; 166 mg/kg	
	General population	Inhalation	Systemic, long-term; 0.86 mg/m <sup>3</sup>	Repeated dose toxicity
	General population	Dermal	Systemic, short-term; 100 mg/kg	
	Workers	Inhalation	Systemic, long-term; 3.5 mg/m <sup>3</sup>	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 5.8 mg/m <sup>3</sup>	
	General population	Dermal	Systemic, long-term; 5 mg/kg	

### PNEC-Values

Critical component	Environmental compartment	PNEC-Values
Oxybis(methyl-2,1-ethanediyl) diacrylate	soil	0.0013 mg/kg
	Sewage treatment plant	100 mg/l
	Aquatic (marine water)	0.00034 mg/l
	Aquatic (intermit. releases)	0.034 mg/l
	freshwater sediment	0.00884 mg/kg
	Aquatic (freshwater)	0.0034 mg/l
ethoxylated trimethylolpropane triacrylate	Aquatic (marine water)	0.000195 mg/l
	Aquatic (intermit. releases)	0.0195 mg/l
	Aquatic (freshwater)	0.00195 mg/l
	Sewage treatment plant	10 mg/l
	soil	0.00587 mg/kg
	Marine sediments	0.00082 mg/kg
2,6-bis(1,1-dimethylethyl)-4-methyl-phenol	Predator	5.6 mg/kg
	freshwater sediment	0.0082 mg/kg
	Aquatic (freshwater)	0.1 mg/l

	soil	1.04 mg/kg
	Predator	8.33 mg/kg
	Aquatic (marine water)	0.01 mg/l
	Predator	16.7 mg/kg
	Aquatic (intermit. releases)	1 mg/l
	Marine sediments	0.731 mg/kg
	Sewage treatment plant	10 mg/l
	Sewage treatment plant	100 mg/l
	freshwater sediment	0.731 mg/kg
	Sewage treatment plant	0.17 mg/l
	freshwater sediment	1.29 mg/kg
	soil	0.35 mg/kg
	Aquatic (freshwater)	0.0041 mg/l
	Aquatic (marine water)	0.0041 mg/l

## 8.2 Exposure controls

**Appropriate Engineering Controls:** Provide adequate ventilation.

### Individual protection measures, such as personal protective equipment

**General information:** Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. Follow training instructions when handling this material.

**Eye/face protection:** Safety goggles. EN 166.

#### Skin protection

**Hand Protection:** Protective gloves should be used if there is a risk of direct contact or splash.(EN374) Chemical resistant gloves required for prolonged or repeated contact. Butyl rubber (EN374) Glove thickness: > 0.70 mm Break-through time: > 480 min Risk of splashes: Nitrile rubber. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

**Other:** Safety clothes : long sleeved clothing EN13688

**Respiratory Protection:** In case of inadequate ventilation use suitable respirator (EN14387). Seek advice from local supervisor.

**Hygiene measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

**Environmental Controls:** Do not empty into drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	Pale yellow
<b>Odor:</b>	Sweetish
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	No data available.
<b>Freezing point:</b>	No data available.

<b>Boiling Point:</b>	No data available.
<b>Flash Point:</b>	No data available.
<b>Evaporation Rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Flammability Limit - Upper (%):</b>	No data available.
<b>Flammability Limit - Lower (%):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density (air=1):</b>	No data available.
<b>Density:</b>	No data available.
<b>Relative density:</b>	1.08 (25 °C)
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	No data available.
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Autoignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>SADT:</b>	No data available.
<b>Viscosity:</b>	No data available.
<b>Explosive properties:</b>	No data available.
<b>Oxidizing properties:</b>	No data available.

## 9.2 Other information

<b>VOC Content:</b>	EC Directive 2004/42: 765.7 g/l ~76.57 % (calculated)
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## SECTION 10: Stability and reactivity

<b>10.1 Reactivity:</b>	Material is stable under normal conditions.
<b>10.2 Chemical Stability:</b>	Material is stable under normal conditions.
<b>10.3 Possibility of hazardous reactions:</b>	Not known.
<b>10.4 Conditions to avoid:</b>	Avoid heat or contamination.
<b>10.5 Incompatible Materials:</b>	None known.
<b>10.6 Hazardous Decomposition Products:</b>	By heating and fire, harmful vapors/gases may be formed.

## SECTION 11: Toxicological information

### Information on likely routes of exposure

<b>Inhalation:</b>	Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
<b>Skin Contact:</b>	Moderately irritating to skin with prolonged exposure. Causes skin irritation. May cause an allergic skin reaction.
<b>Eye contact:</b>	Eye contact is possible and should be avoided. Causes serious eye damage.
<b>Ingestion:</b>	May be ingested by accident. Ingestion may cause irritation and malaise.

## 11.1 Information on toxicological effects

### Acute toxicity

#### Oral

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s)</b>	
Oxybis(methyl-2,1-ethanediyl) diacrylate	LD 50 (Rat): 4,626 mg/kg Experimental result, Supporting study
Phenoxyethylacrylate	LD 50 (Rat): 5,000 mg/kg Experimental result, Key study
ethoxylated trimethylolpropane triacrylate	LD 50 (Rat): > 2,000 mg/kg Experimental result, Key study
2,6-bis(1,1-dimethylethyl)-4-methylphenol	LD 50 (Rat): > 6,000 mg/kg Experimental result, Key study

#### Dermal

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s)</b>	
Oxybis(methyl-2,1-ethanediyl) diacrylate	LD 50 (Rabbit) : > 2,000 mg/kg
Phenoxyethylacrylate	No data available.
ethoxylated trimethylolpropane triacrylate	LD 50 (Rabbit) : > 13,200 mg/kg
2,6-bis(1,1-dimethylethyl)-4-methylphenol	LD 50 (Rat) : > 2,000 mg/kg Experimental result, Key study LD 50 (Rat) : > 2,000 mg/kg Experimental result, Supporting study

#### Inhalation

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s)</b>	
Oxybis(methyl-2,1-ethanediyl) diacrylate	No data available.
Phenoxyethylacrylate	No data available.
ethoxylated trimethylolpropane triacrylate	No data available.
2,6-bis(1,1-dimethylethyl)-4-methylphenol	No data available.

#### Repeated dose toxicity

<b>Product:</b>	No data available.
<b>Specified substance(s)</b>	
Oxybis(methyl-2,1-ethanediyl) diacrylate	NOAEL (Rat(Female, Male), Oral, 28 - 52 d): 250 mg/kg
Phenoxyethylacrylate	NOAEL (Rat(Female, Male), Oral, 2 Weeks): 500 mg/kg
ethoxylated trimethylolpropane triacrylate	NOAEL (Rat(Female, Male), Oral, 28 - 52 d): 250 mg/kg
2,6-bis(1,1-dimethylethyl)-4-methylphenol	NOAEL (Mouse, Rat(Female, Male), Dermal, 16 d): >= 200 mg/kg NOAEL (Mouse, Rat(Female, Male), Dermal, 16 d): 25 mg/kg NOAEL (Rat(Male), Oral, 1.25 - 22.75 Months): 25 mg/kg

#### Skin Corrosion/Irritation:

<b>Product:</b>	Causes skin irritation.
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**Specified substance(s)**

Oxybis(methyl-2,1-ethanediyl) diacrylate	No data available.
Phenoxyethylacrylate ethoxylated	No data available.
trimethylolpropane triacrylate	No data available.
2,6-bis(1,1-dimethylethyl)-4-methyl-phenol	in vivo (Rabbit): Experimental result, Key study

**Serious Eye Damage/Eye Irritation:**

**Product:**

Causes serious eye damage.

**Specified substance(s)**

Oxybis(methyl-2,1-ethanediyl) diacrylate	in vivo (Rabbit, 24 - 72 hrs): Category 1 OECD GHS
Phenoxyethylacrylate ethoxylated	No data available.
trimethylolpropane triacrylate	in vivo (Rabbit, 24 - 72 hrs): Irritating
2,6-bis(1,1-dimethylethyl)-4-methyl-phenol	in vivo (Rabbit, 24 - 72 hrs): Not irritating EU

**Respiratory or Skin**

**Sensitization:**

**Product:**

May cause an allergic skin reaction.

**Specified substance(s)**

Oxybis(methyl-2,1-ethanediyl) diacrylate	No data available.
Phenoxyethylacrylate ethoxylated	No data available.
trimethylolpropane triacrylate	No data available.
2,6-bis(1,1-dimethylethyl)-4-methyl-phenol	No data available.

**Germ Cell Mutagenicity**

**In vitro**

**Product:**

No data available.

**Specified substance(s)**

Oxybis(methyl-2,1-ethanediyl) diacrylate	No data available.
Phenoxyethylacrylate ethoxylated	No data available.
trimethylolpropane triacrylate	No data available.
2,6-bis(1,1-dimethylethyl)-4-methyl-phenol	No data available.

**In vivo**

**Product:**

No data available.

**Specified substance(s)**

Oxybis(methyl-2,1-ethanediyl) diacrylate	No data available.
Phenoxyethylacrylate	No data available.
ethoxylated	No data available.
trimethylolpropane	
triacrylate	
2,6-bis(1,1-dimethylethyl)-4-methylphenol	No data available.

**Carcinogenicity**

**Product:** No data available.

**Specified substance(s)**

Oxybis(methyl-2,1-ethanediyl) diacrylate	No data available.
Phenoxyethylacrylate	No data available.
ethoxylated	No data available.
trimethylolpropane	
triacrylate	
2,6-bis(1,1-dimethylethyl)-4-methylphenol	No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specified substance(s)**

Oxybis(methyl-2,1-ethanediyl) diacrylate	No data available.
Phenoxyethylacrylate	No data available.
ethoxylated	No data available.
trimethylolpropane	
triacrylate	
2,6-bis(1,1-dimethylethyl)-4-methylphenol	No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specified substance(s)**

Oxybis(methyl-2,1-ethanediyl) diacrylate	No data available.
Phenoxyethylacrylate	No data available.
ethoxylated	No data available.
trimethylolpropane	
triacrylate	
2,6-bis(1,1-dimethylethyl)-4-methylphenol	No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Specified substance(s)**

Oxybis(methyl-2,1-ethanediyl) diacrylate	No data available.
Phenoxyethylacrylate	No data available.

ethoxylated  
 trimethylolpropane  
 triacrylate  
 2,6-bis(1,1-  
 dimethylethyl)-4-methyl-  
 phenol

No data available.

No data available.

**Aspiration Hazard**

**Product:** No data available.

**Specified substance(s)**

Oxybis(methyl-2,1-  
 ethanediyl) diacrylate  
 Phenoxyethylacrylate  
 ethoxylated  
 trimethylolpropane  
 triacrylate  
 2,6-bis(1,1-  
 dimethylethyl)-4-methyl-  
 phenol

No data available.

No data available.

No data available.

No data available.

**SECTION 12: Ecological information**

**General information:** Contains a substance which causes risk of hazardous effects to the environment.

**12.1 Toxicity**

**Acute toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

Oxybis(methyl-2,1-  
 ethanediyl) diacrylate  
 Phenoxyethylacrylate  
 ethoxylated  
 trimethylolpropane  
 triacrylate  
 2,6-bis(1,1-  
 dimethylethyl)-4-methyl-  
 phenol

LC 50 (Leuciscus idus, 96 h): 2.2 - 4.64 mg/l (Static) experimental result

No data available.

LC 50 (Danio rerio, 96 h): 1.95 mg/l (Static) experimental result

LC 0 (Danio rerio, 96 h): >= 0.57 mg/l (semi-static) Experimental result, Key study

LC 50 (96 h): 0.199 mg/l QSAR QSAR, Key study

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

Oxybis(methyl-2,1-  
 ethanediyl) diacrylate  
 Phenoxyethylacrylate  
 ethoxylated  
 trimethylolpropane  
 triacrylate  
 2,6-bis(1,1-  
 dimethylethyl)-4-methyl-  
 phenol

EC 50 (48 h): 22.3 mg/l (Static) experimental result

No data available.

EC 50 (48 h): 70.7 mg/l (Static) experimental result

ED 0 (Daphnia magna, 24 h): >= 1 mg/l (Static) Experimental result, Key study

EC 50 (Daphnia pulex, 48 h): 1.44 mg/l (Static) Experimental result, Supporting study

EC 50 (Daphnia magna, 48 h): 0.61 mg/l (Static) Experimental result, Key study

study  
 ED 0 (Daphnia magna, 48 h):  $\geq 0.31$  mg/l (Static) Experimental result, Key study  
 NOAEL (Daphnia magna, 48 h): 0.23 mg/l (Static) Experimental result, Key study

## Chronic Toxicity

### Fish

**Product:** No data available.

#### Specified substance(s)

Oxybis(methyl-2,1-ethanediyl) diacrylate	No data available.
Phenoxyethylacrylate ethoxylated	No data available.
trimethylolpropane triacrylate	No data available.
2,6-bis(1,1-dimethylethyl)-4-methylphenol	No data available.

### Aquatic Invertebrates

**Product:** No data available.

#### Specified substance(s)

Oxybis(methyl-2,1-ethanediyl) diacrylate	No data available.
Phenoxyethylacrylate ethoxylated	No data available.
trimethylolpropane triacrylate	No data available.
2,6-bis(1,1-dimethylethyl)-4-methylphenol	No data available.

### Toxicity to Aquatic Plants

**Product:** No data available.

#### Specified substance(s)

Oxybis(methyl-2,1-ethanediyl) diacrylate	No data available.
Phenoxyethylacrylate ethoxylated	No data available.
trimethylolpropane triacrylate	No data available.
2,6-bis(1,1-dimethylethyl)-4-methylphenol	No data available.

## 12.2 Persistence and Degradability

### Biodegradation

**Product:** No data available.

#### Specified substance(s)

Oxybis(methyl-2,1-ethanediyl) diacrylate	No data available.
Phenoxyethylacrylate	No data available.

ethoxylated  
 trimethylolpropane  
 triacrylate  
 2,6-bis(1,1-  
 dimethylethyl)-4-methyl-  
 phenol

No data available.

No data available.

**BOD/COD Ratio**

**Product** No data available.

**Specified substance(s)**

Oxybis(methyl-2,1-  
 ethanediyl) diacrylate No data available.  
 Phenoxyethylacrylate No data available.  
 ethoxylated No data available.  
 trimethylolpropane  
 triacrylate  
 2,6-bis(1,1-  
 dimethylethyl)-4-methyl-  
 phenol No data available.

**12.3 Bioaccumulative potential**

**Product:** No data available.

**Specified substance(s)**

Oxybis(methyl-2,1-  
 ethanediyl) diacrylate No data available.  
 Phenoxyethylacrylate No data available.  
 ethoxylated No data available.  
 trimethylolpropane  
 triacrylate  
 2,6-bis(1,1-  
 dimethylethyl)-4-methyl-  
 phenol No data available.

**12.4 Mobility in soil:**

No data available.

**Known or predicted distribution to environmental compartments**

Oxybis(methyl-2,1-  
 ethanediyl) diacrylate No data available.  
 Phenoxyethylacrylate No data available.  
 ethoxylated No data available.  
 trimethylolpropane  
 triacrylate  
 2,6-bis(1,1-dimethylethyl)-  
 4-methyl-phenol No data available.

**12.5 Results of PBT and vPvB assessment:**

Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria Not fulfilling vPvB (very persistent/very bioaccumulative) criteria

Oxybis(methyl-2,1-  
 ethanediyl)  
 diacrylate No data available.  
 Phenoxyethylacrylat  
 e No data available.  
 ethoxylated No data available.  
 trimethylolpropane  
 triacrylate  
 2,6-bis(1,1-  
 dimethylethyl)-4-  
 methyl-phenol No data available.

**12.6 Other adverse effects:**

Toxic to aquatic life with long lasting effects.

**12.7 Additional Information:** No data available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

- General information:** Disposal considerations (including disposal of contaminated containers or packaging) Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
- Disposal methods:** Discharge, treatment, or disposal may be subject to national, state, or local laws.
- Since emptied containers retain product residue, follow label warnings even after container is emptied.

## SECTION 14: Transport information

### ADR

- 14.1 UN Number: UN 3082
- 14.2 UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Acrylate)
- 14.3 Transport Hazard Class(es)
- Class: 9
- Label(s): 9
- Hazard No. (ADR): 90
- Tunnel restriction code: (E)
- 14.4 Packing Group: III
- Limited quantity 5.00L
- Excepted quantity E1
- 14.5 Environmental Hazards: Yes
- 14.6 Special precautions for user: SPECIAL PROVISION 375

### RID

- 14.1 UN Number: UN 3082
- 14.2 UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Acrylate)
- 14.3 Transport Hazard Class(es)
- Class: 9
- Label(s): 9
- 14.4 Packing Group: III
- 14.5 Environmental Hazards: Yes
- 14.6 Special precautions for user: -

### IMDG

- 14.1 UN Number: UN 3082
- 14.2 UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Acrylate)
- 14.3 Transport Hazard Class(es)
- Class: 9
- Label(s): 9
- EmS No.: F-A, S-F
- 14.4 Packing Group: III

Limited quantity 5.00L  
 Excepted quantity E1  
 14.5 Environmental Hazards: Environmentally Hazardous  
 14.6 Special precautions for user: CODE 2.10.2.7

**IATA**

14.1 UN Number: UN 3082  
 14.2 Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.(Acrylate)  
 14.3 Transport Hazard Class(es):  
 Class: 9  
 Label(s): 9MI  
 14.4 Packing Group: III  
 Limited quantity 30.00KG  
 Excepted quantity E1  
 14.5 Environmental Hazards: Yes  
 14.6 Special precautions for user: SPECIAL PROVISION A197

Other information  
 Passenger and cargo aircraft: Allowed.  
 Cargo aircraft only: Allowed.

**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:**

**EU Regulations**

**Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer:** none

**Regulation (EC) No. 850/2004 on persistent organic pollutants:** none

**Regulation (EC) No. 689/2008 Import and export of dangerous chemicals:** none

**EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC):** none

**Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:** none

**Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.:** none

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.:** none

**Directive 96/82/EC (Seveso III): on the control of major accident hazards involving dangerous substances:** none

**EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:** none

**Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:**

Chemical name	CAS-No.	Concentration
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Phenol, 4-methoxy-	150-76-5	0 - <0.1%
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**15.2 Chemical safety assessment:**

No Chemical Safety Assessment has been carried out.

<b>SECTION 16: Other information</b>
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**Revision Information:** Not relevant.

**References**

PBT PBT: persistent, bioaccumulative and toxic substance.  
 vPvB vPvB: very persistent and very bioaccumulative substance.

**Key literature references and sources for data:** Safety Data Sheet from the supplier.  
 ECHA

**Wording of the H-statements in section 2 and 3**

H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

**Training information:** No data available.

**Classification according to Regulation (EC) No 1272/2008 as amended.**

Skin Irrit. 2, H315	calculated
Eye Dam. 1, H318	calculated
Skin Sens. 1A, H317	calculated
Aquatic Chronic 2, H411	calculated

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**SDS No.:**

**Disclaimer:** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.