

# 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 RTR MAGENTA      **Product No.:** 000001016278  
LIGHT INK

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

**Identified uses:** Printing ink  
**Uses advised against:** Reserved for industrial and professional use.

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

#### Manufacturer

Agfa Graphics NV  
Septestraat 27  
2640 Mortsel  
Belgium

**Telephone:** +32 3 4442111  
**Fax:** +32 3 4447094

**E-mail:** [electronic.sds@agfa.com](mailto:electronic.sds@agfa.com)

#### National Supplier

Agfa-Gevaert Ltd.  
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](mailto: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 1	H317: May cause an allergic skin reaction.

Toxic to reproduction	Category 1B	H360FD: May damage fertility. May damage the unborn child.
Specific Target Organ Toxicity - Single Exposure	Category 3	H335: May cause respiratory irritation.

**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  
 ethoxylated trimethylolpropane triacrylate  
 Isodecyl acrylate  
 Timethylolpropane triacrylate  
 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one



**Signal Words:** Danger

**Hazard Statement(s):** H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H318: Causes serious eye damage.  
 H335: May cause respiratory irritation.  
 H360FD: May damage fertility. May damage the unborn child.  
 H411: Toxic to aquatic life with long lasting effects.

**Precautionary Statements**

**Prevention:**

P201: Obtain special instructions before use.  
 P261: Avoid breathing dust/fume/gas/mist/vapors/spray.  
 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.  
 P340: Remove person to fresh air and keep comfortable for breathing.

**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.	
ethoxylated trimethylolpropane triacrylate	20 - <50%	28961-43-5		01-2119489900-30-XXXX	No data available.	
Isodecyl acrylate	10 - <20%	1330-61-6	215-542-5	01-2119964031-47-XXXX	No data available.	
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	5 - <10%	71868-10-5	400-600-6	01-2119472306-39	No data available.	
Trimethylolpropane triacrylate	5 - <10%	15625-89-5	239-701-3	01-2119489896-11-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).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

#### Classification

Chemical name	Classification	Notes
Oxybis(methyl-2,1-ethanediyl) diacrylate	Skin Sens.: 1: H317 Eye Dam.: 1: H318 Skin Irrit.: 2: H315	
ethoxylated trimethylolpropane triacrylate	Eye Irrit.: 2: H319 Skin Sens.: 1: H317	
Isodecyl acrylate	Eye Irrit.: 2: H319 Skin Irrit.: 2: H315 Aquatic Chronic: 2: H411 STOT SE: 3: H335	Note A
2-methyl-1-(4-	Acute Tox.: 4: H302 Repr.: 1B: H360FD Aquatic Chronic: 2:	No data

methylthiophenyl)-2-morpholinopropan-1-one	H411	available.
Timethylolpropane triacrylate	Eye Irrit.: 2: H319 Skin Irrit.: 2: H315 Skin Sens.: 1: H317	Note D
2,6-bis(1,1-dimethylethyl)-4-methyl-phenol	Aquatic Acute: 1: H400 Aquatic Chronic: 1: H410	No data available.

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.

**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.

**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.

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

**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:** See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.
- 6.2 Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.
- 6.3 Methods and material for containment and cleaning up:** Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Dike far ahead of larger spill for later recovery and disposal.
- 6.4 Reference to other sections:** Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.

## SECTION 7: Handling and storage:

- 7.1 Precautions for safe handling:** Wash hands thoroughly after handling. Do not get in eyes. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with skin. Avoid contact with eyes, skin, and clothing.
- 7.2 Conditions for safe storage, including any incompatibilities:** Store locked up.
- 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)

#### Biological Limit Values

None.

#### DNEL-Values

Critical component	type	Route of Exposure		Remarks
Oxybis(methyl-2,1-ethanediyl) diacrylate	General population	Dermal	1.66 mg/kg	Repeated dose toxicity

	General population	Oral	2.08 mg/kg	Repeated dose toxicity
	Workers	Inhalation	24.48 mg/m <sup>3</sup>	Repeated dose toxicity
	Workers	Dermal	2.77 mg/kg	Repeated dose toxicity
	General population	Inhalation	7.24 mg/m <sup>3</sup>	Repeated dose toxicity
ethoxylated trimethylolpropane triacrylate	General population	Oral	1.4 mg/kg	Repeated dose toxicity
	Workers	Dermal	0.8 mg/kg	Repeated dose toxicity
	General population	Inhalation	4.9 mg/m <sup>3</sup>	Repeated dose toxicity
	General population	Dermal	0.5 mg/kg	Repeated dose toxicity
	Workers	Inhalation	16.2 mg/m <sup>3</sup>	Repeated dose toxicity
Isodecyl acrylate	Workers	Dermal	370 µg/cm <sup>2</sup>	Skin sensitization
	Workers	Inhalation	37.5 mg/m <sup>3</sup>	Irritating to respiratory system.
Trimethylolpropane triacrylate	Workers	Dermal	0.8 mg/kg	Repeated dose toxicity
	Workers	Inhalation	16.2 mg/m <sup>3</sup>	Repeated dose toxicity
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	General population	Dermal	0.1 mg/kg	Repeated dose toxicity
	Workers	Dermal	20 mg/kg	Acute toxicity
	General population	Inhalation	0.16 mg/m <sup>3</sup>	Repeated dose toxicity
	Workers	Dermal	0.1 mg/kg	Repeated dose toxicity
	General population	Dermal	0.09 mg/kg	Repeated dose toxicity
	Workers	Inhalation	0.32 mg/m <sup>3</sup>	Repeated dose toxicity
	Workers	Dermal	0.18 mg/kg	Repeated dose toxicity
	Workers	Inhalation	5.38 mg/m <sup>3</sup>	Acute toxicity
	General population	Oral	0.05 mg/kg	Repeated dose toxicity
2,6-bis(1,1-dimethylethyl)-4-methylphenol	General population	Dermal	0.25 mg/kg	Repeated dose toxicity
	Workers	Dermal	8.3 mg/kg	
	General population	Inhalation	1.74 mg/m <sup>3</sup>	
	Workers	Dermal	0.3 mg/kg	
	Workers	Dermal	0.5 mg/kg	Repeated dose toxicity
	General population	Dermal	0.17 mg/kg	
	General population	Oral	0.17 mg/kg	
	General population	Inhalation	2.5 mg/m <sup>3</sup>	
	Workers	Dermal	166 mg/kg	
	General population	Inhalation	0.86 mg/m <sup>3</sup>	Repeated dose toxicity
	General population	Dermal	100 mg/kg	
	Workers	Inhalation	3.5 mg/m <sup>3</sup>	Repeated dose toxicity
	General population	Oral	100 mg/kg	
	Workers	Inhalation	5.8 mg/m <sup>3</sup>	
	General population	Dermal	5 mg/kg	
Phenol, 4-methoxy-	Workers	Inhalation	10 mg/m <sup>3</sup>	Acute toxicity
	Workers	Inhalation	3 mg/m <sup>3</sup>	Repeated dose toxicity

#### PNEC-Values

Critical component	Environmental compartment		Remarks
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	
	Predator	5.6 mg/kg	
	freshwater sediment	0.0082 mg/kg	
isodecyl acrylate	freshwater sediment	0.904 mg/kg	
	Marine sediments	0.0904 mg/kg	
	Aquatic (intermit. releases)	13 µg/l	
	Sewage treatment plant	2.3 mg/l	
	Aquatic (marine water)	0.13 µg/l	
	soil	0.18 mg/kg	
	Aquatic (freshwater)	1.3 µg/l	
Trimethylolpropane triacrylate	Marine sediments	0.00062 mg/kg	
	Sewage treatment plant	6.25 mg/l	
	Aquatic (freshwater)	0.00147 mg/l	
	freshwater sediment	0.0062 mg/kg	
	soil	0.0043 mg/kg	
	Aquatic (marine water)	0.000147 mg/l	
	Predator	5.6 mg/kg	
	Aquatic (intermit. releases)	0.0147 mg/l	
2,6-bis(1,1-dimethylethyl)-4-methylphenol	Aquatic (marine water)	0.0041 mg/l	
	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	
Phenol, 4-methoxy-	freshwater sediment	0.125 mg/kg	
	Aquatic (freshwater)	0.0136 mg/l	
	Aquatic (marine water)	0.00136 mg/l	
	Sewage treatment plant	10 mg/l	
	soil	0.017 mg/kg	
	Marine sediments	0.0125 mg/kg	

## 8.2 Exposure controls

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

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

**General information:** Follow training instructions when handling this material. Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**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. 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:** Observe good industrial hygiene practices. Do not get in eyes. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Wash contaminated clothing before reuse. Avoid contact with skin. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace.

**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>	purple
<b>Odor:</b>	Sweetish
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	No data available.
<b>Freezing point:</b>	< 0 °C
<b>Boiling Point:</b>	> 100 °C
<b>Flash Point:</b>	> 93.33 °C
<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>Relative density:</b>	1.04
<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>Viscosity:</b>	No data available.
<b>Explosive properties:</b>	No data available.
<b>Oxidizing properties:</b>	No data available.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity:</b>	Material is stable under normal conditions.
<b>10.2 Chemical Stability:</b>	No data available.
<b>10.3 Possibility of hazardous reactions:</b>	Not known.
<b>10.4 Conditions to avoid:</b>	Avoid heat or contamination.

**10.5 Incompatible Materials:** None known.

**10.6 Hazardous Decomposition Products:** By heating and fire, harmful vapors/gases may be formed.

## SECTION 11: Toxicological information

### Information on likely routes of exposure

**Inhalation:** Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.

**Ingestion:** May be harmful if swallowed.

**Skin Contact:** May be harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.

**Eye contact:** Causes serious eye damage.

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Oral

**Product:** ATEmix: 39,680 mg/kg

##### Specified substance(s)

Oxybis(methyl-2,1-ethanediyl) diacrylate LD 50 (Rat): 4,626 mg/kg

ethoxylated LD 50 (Rat): > 2,000 mg/kg

trimethylolpropane

triacrylate

Isodecyl acrylate LD 50 (Rat): 4,435 mg/kg

2-methyl-1-(4-

methylthiophenyl)-2-

morpholinopropan-1-one

LD 50 (Rat): > 5,000 mg/kg

Timethylolpropane

triacrylate

2,6-bis(1,1-

dimethylethyl)-4-methyl-

phenol

##### Dermal

**Product:** Not classified for acute toxicity based on available data.

##### Specified substance(s)

Oxybis(methyl-2,1-ethanediyl) diacrylate LD 50 (Rabbit): > 2,000 mg/kg

ethoxylated

LD 50 (Rabbit): > 13,200 mg/kg

trimethylolpropane triacrylate	
Isodecyl acrylate	LD 50 (Rabbit): 7,522 mg/kg
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	LD 50: > 2,000 mg/kg
Timethylolpropane triacrylate	LD 50: > 2,000 mg/kg
2,6-bis(1,1-dimethylethyl)-4-methyl-phenol	LD 50 (Rat): > 2,000 mg/kg

**Inhalation**

**Product:** Not classified for acute toxicity based on available data.

**Specified substance(s)**

Oxybis(methyl-2,1-ethanediyl) diacrylate ethoxylated	No data available.
trimethylolpropane triacrylate	No data available.
Isodecyl acrylate	LC 50 (Rat, 8 h): > 1.19 mg/l
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	No data available.
Timethylolpropane triacrylate	LC 50 (Rat, 6 h): > 0.55 mg/l
2,6-bis(1,1-dimethylethyl)-4-methyl-phenol	No data available.

**Repeated dose toxicity**

**Product:** No data available.

**Specified substance(s)**

Oxybis(methyl-2,1-ethanediyl) diacrylate ethoxylated	NOAEL (Rat(Female, Male), Oral, 28 - 52 d): 250 mg/kg
trimethylolpropane triacrylate	NOAEL (Rat(Female, Male), Oral, 28 - 52 d): 250 mg/kg
Isodecyl acrylate	NOAEL (Mouse, Rat(Female, Male), Dermal, 16 d): >= 200 mg/kg
	NOAEL (Mouse, Rat(Female, Male), Dermal, 16 d): 25 mg/kg
	NOAEL (Rat(Female, Male), Inhalation): 0.226 mg/l
	NOAEL (Rat(Female, Male), Inhalation): 0.075 mg/l
	LOAEL (Rat(Female, Male), Inhalation): 0.226 mg/l
	LOAEL (Rat(Female, Male), Inhalation): 0.753 mg/l
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	NOAEL (Rat, Oral, 90 d): 10 mg/kg
	NOAEL (Rat, Oral, 90 d): 75 mg/kg

Timethylolpropane triacrylate  
 2,6-bis(1,1-dimethylethyl)-4-methylphenol

NOAEL (Rat(Female, Male), Oral, 28 - 52 d): 250 mg/kg  
 NOAEL (Rat(Female, Male), Oral, 35 - 56 d): >= 500 mg/kg  
 NOAEL (Rat(Male), Oral, 1.25 - 22.75 Months): 25 mg/kg

**Skin Corrosion/Irritation:**

**Product:** Causes skin irritation.

**Specified substance(s)**

Oxybis(methyl-2,1-ethanediyl) diacrylate ethoxylated trimethylolpropane triacrylate	in vivo (Rabbit): Category 2
Isodecyl acrylate	No data available.
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	No data available.
Timethylolpropane triacrylate	in vivo (Rabbit): Slightly irritating
2,6-bis(1,1-dimethylethyl)-4-methylphenol	in vivo (Rabbit): Not irritating

**Serious Eye Damage/Eye Irritation:**

**Product:** Causes serious eye damage.

**Specified substance(s)**

Oxybis(methyl-2,1-ethanediyl) diacrylate ethoxylated trimethylolpropane triacrylate	in vivo (Rabbit, 24 - 72 hrs): Category 1 OECD GHS
Isodecyl acrylate	Mildly Irritating
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	in vivo (24 - 72 hrs): Not an irritant EU
Timethylolpropane triacrylate	in vivo (Rabbit, 24 hrs): Moderately irritating
2,6-bis(1,1-dimethylethyl)-4-methylphenol	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 ethoxylated trimethylolpropane triacrylate	No data available.
Isodecyl acrylate	No data available.
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	No data available.
Timethylolpropane 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 ethoxylated trimethylolpropane triacrylate	No data available.
Isodecyl acrylate	No data available.
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	No data available.
Timethylolpropane 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 ethoxylated trimethylolpropane triacrylate	No data available.
Isodecyl acrylate	No data available.
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	No data available.

Trimethylolpropane triacrylate  
 2,6-bis(1,1-dimethylethyl)-4-methylphenol

No data available  
 No data available.

**Carcinogenicity**

**Product:** No data available.

**Specified substance(s)**

Oxybis(methyl-2,1-ethanediyl) diacrylate ethoxylated  
 trimethylolpropane triacrylate  
 Isodecyl acrylate  
 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one  
 Trimethylolpropane triacrylate  
 2,6-bis(1,1-dimethylethyl)-4-methylphenol

No data available.  
 No data available.  
 No data available.  
 No data available.  
 No data available.  
 No data available.

**Reproductive toxicity**

**Product:** May damage fertility or the unborn child.

**Specified substance(s)**

Oxybis(methyl-2,1-ethanediyl) diacrylate ethoxylated  
 trimethylolpropane triacrylate  
 Isodecyl acrylate  
 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one  
 Trimethylolpropane triacrylate  
 2,6-bis(1,1-dimethylethyl)-4-methylphenol

No data available.  
 No data available.  
 No data available.  
 No data available.  
 No data available.  
 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.

ethoxylated trimethylolpropane triacrylate	No data available.
Isodecyl acrylate	No data available.
2-methyl-1-(4- methylthiophenyl)-2- morpholinopropan-1-one	No data available.
Timethylolpropane triacrylate	No data available.
2,6-bis(1,1- dimethylethyl)-4-methyl- phenol	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.
ethoxylated trimethylolpropane triacrylate	No data available.
Isodecyl acrylate	No data available.
2-methyl-1-(4- methylthiophenyl)-2- morpholinopropan-1-one	No data available.
Timethylolpropane triacrylate	No information available.
2,6-bis(1,1- dimethylethyl)-4-methyl- phenol	No data available.

**Aspiration Hazard**

**Product:** No data available.

**Specified substance(s)**

Oxybis(methyl-2,1- ethanediyl) diacrylate	No data available.
ethoxylated trimethylolpropane triacrylate	No data available.
Isodecyl acrylate	No data available.
2-methyl-1-(4- methylthiophenyl)-2- morpholinopropan-1-one	No data available.
Timethylolpropane triacrylate	No data available.
2,6-bis(1,1- dimethylethyl)-4-methyl- phenol	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 ethoxylated trimethylolpropane triacrylate	LC 50 (Leuciscus idus, 96 h): 2.2 - 4.64 mg/l (Static) experimental result
Isodecyl acrylate	No data available.
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	LC 50 (Danio rerio, 96 h): 9 mg/l (semi-static) experimental result
Timethylolpropane triacrylate	LC 50 (Leuciscus idus, 96 h): 1.47 mg/l (Static) experimental result
2,6-bis(1,1-dimethylethyl)-4-methylphenol	LC 50 (Danio rerio, 96 h): > 100 mg/l (Static) experimental result

##### Aquatic Invertebrates

**Product:** No data available.

##### Specified substance(s)

Oxybis(methyl-2,1-ethanediyl) diacrylate ethoxylated trimethylolpropane triacrylate	EC 50 (48 h): 22.3 mg/l (Static) experimental result
Isodecyl acrylate	No data available.
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	EC 50 (24 h): 15.3 mg/l (semi-static) experimental result
Timethylolpropane triacrylate	LC 50 (48 h): 19.9 mg/l (Static) experimental result
2,6-bis(1,1-dimethylethyl)-4-methylphenol	EC 50 (48 h): 0.48 mg/l (Static) experimental result

#### Chronic Toxicity

##### Fish



**Product:** No data available.

**Specified substance(s)**

Oxybis(methyl-2,1-ethanediyl) diacrylate ethoxylated trimethylolpropane triacrylate	No data available.
Isodecyl acrylate	No data available.
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	No data available.
Timethylolpropane 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 ethoxylated trimethylolpropane triacrylate	No data available.
Isodecyl acrylate	No data available.
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	No data available.
Timethylolpropane 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 ethoxylated trimethylolpropane triacrylate	No data available.
Isodecyl acrylate	No data available.
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	No data available.
Timethylolpropane	No data available.

triacrylate  
 2,6-bis(1,1-  
 dimethylethyl)-4-methyl-  
 phenol 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.  
 ethoxylated No data available.  
 trimethylolpropane  
 triacrylate  
 Isodecyl acrylate No data available.  
 2-methyl-1-(4-  
 methylthiophenyl)-2-  
 morpholinopropan-1-one No data available.  
 Timethylolpropane No data available.  
 triacrylate  
 2,6-bis(1,1-  
 dimethylethyl)-4-methyl-  
 phenol No data available.

### BOD/COD Ratio

**Product** No data available.

#### Specified substance(s)

Oxybis(methyl-2,1-  
 ethanediyl) diacrylate No data available.  
 ethoxylated No data available.  
 trimethylolpropane  
 triacrylate  
 Isodecyl acrylate No data available.  
 2-methyl-1-(4-  
 methylthiophenyl)-2-  
 morpholinopropan-1-one No data available.  
 Timethylolpropane No data available.  
 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.

ethoxylated trimethylolpropane triacrylate	No data available.
Isodecyl acrylate	No data available.
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	No data available.
Timethylolpropane triacrylate	No data available.
2,6-bis(1,1-dimethylethyl)-4-methylphenol	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.
ethoxylated trimethylolpropane triacrylate	No data available.
Isodecyl acrylate	No data available.
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	No data available.
Timethylolpropane triacrylate	No data available.
2,6-bis(1,1-dimethylethyl)-4-methylphenol	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.
ethoxylated trimethylolpropane triacrylate	No data available.
Isodecyl acrylate	No data available.
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	No data available.
Timethylolpropane triacrylate	No data available.
2,6-bis(1,1-dimethylethyl)-4-methylphenol	No data available.

**12.6 Other adverse effects:** Toxic to aquatic life with long lasting effects.

**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.  
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.  
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.  
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.  
 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

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:** 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:**

Chemical name	CAS-No.	Concentration
Isodecyl acrylate	1330-61-6	10 - 20%

2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	1.0 - 10%
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**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
Isodecyl acrylate	1330-61-6	10 - 20%
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	1.0 - 10%
Timethylopropane triacrylate	15625-89-5	1.0 - 10%
Phenol, 4-methoxy-	150-76-5	0 - <0.1%

**15.2 Chemical safety assessment:** No Chemical Safety Assessment has been carried out.

### SECTION 16: Other information

**Revision Information:** Not relevant. Not relevant.

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

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

H302	Harmful if swallowed.
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.
H335	May cause respiratory irritation.
H360FD	May damage fertility. May damage the unborn child.
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  
 Eye Dam. 1, H318  
 Skin Sens. 1, H317  
 Repr. 1B, H360FD  
 STOT SE 3, H335  
 Aquatic Chronic 2, H411

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**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.