

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## Bloc-out material, light curing

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

#### 1.1. Product identifier

Bloc-out material, light curing

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

##### Use of the substance/mixture

Precision shaped material for dental use.

##### Uses advised against

No information available.

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

Company name:	Willmann & Pein GmbH	
Street:	Schusterring 35	
Place:	D-25355 Barmstedt	
Telephone:	+49 (0) 4123 - 9228-0	Telefax: +49 (0) 04123 9228-49
e-mail:	info@wp-dental.de	
e-mail (Contact person):	info@wp-dental.de	
Internet:	www.wpdental.de	
Responsible Department:	info@wp-dental.de	

#### 1.4. Emergency telephone number:

+49(0) 551 - 1 92 40 (GIZ-Nord, 24h)

### SECTION 2: Hazards identification

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

##### Regulation (EC) No. 1272/2008

Hazard categories:

Acute toxicity: Acute Tox. 4

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Acute 1

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Harmful if swallowed.

Causes skin irritation.

Causes serious eye damage.

May cause an allergic skin reaction.

May cause respiratory irritation.

Very toxic to aquatic life.

Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

##### Hazard components for labelling

4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid

Aliphatic urethane acrylate

methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate

2-hydroxyethyl methacrylate

diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

**Signal word:** Danger

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### Pictograms:



### Hazard statements

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

### Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
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.
P333	If skin irritation or rash occurs:
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container to ....

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

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### Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
55818-57-0	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid			25 - 32 %
	500-130-2		01-2119490020-53	
	Skin Sens. 1; H317			
	Aliphatic urethane acrylate			20 - 25 %
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1B, Aquatic Chronic 2; H302 H315 H318 H317 H411			
80-62-6	methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate			15 - 20 %
	201-297-1	607-035-00-6	01-2119452498-28	
	Flam. Liq. 2, Skin Irrit. 2, Skin Sens. 1, STOT SE 3; H225 H315 H317 H335			
119-61-9	Benzophenone			5 - 10 %
	204-337-6		01-2119488052-40	
	STOT RE 2, Aquatic Chronic 3; H373 H412			
868-77-9	2-hydroxyethyl methacrylate			3 - 5 %
	212-782-2	607-124-00-X	01-2119490169-29	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317			
75980-60-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide			1 - 2 %
	278-355-8		01-2119972295-29	
	Repr. 2, Skin Sens. 1, Aquatic Chronic 2; H361 H317 H411			
10373-78-1	Campherchinon			0,5 - 1 %
	233-814-1			
	Skin Irrit. 2, Eye Irrit. 2A, STOT SE 3; H315 H319 H335			

Full text of H and EUH statements: see section 16.

### Further Information

No information available.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Change contaminated, saturated clothing. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration.  
Seek medical advice immediately.

#### After contact with skin

Wash with plenty of water.  
In case of skin irritation, consult a physician.

#### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

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### **After ingestion**

- Rinse mouth immediately and drink plenty of water.
- Call a physician immediately.
- Do NOT induce vomiting.

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

No information available.

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

First Aid, decontamination, treatment of symptoms.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>). alcohol resistant foam. Water spray jet

#### **Unsuitable extinguishing media**

High power water jet

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

No information available.

### **5.3. Advice for firefighters**

- Special protective equipment for firefighters Protective clothing.
- In case of fire: Wear self-contained breathing apparatus.
- Co-ordinate fire-fighting measures to the fire surroundings.

### **Additional information**

- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- Dispose of waste according to applicable legislation.

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

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

- See protective measures under point 7 and 8.
- Personal protection equipment: see section 8

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Cover drains.

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

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

### **6.4. Reference to other sections**

- See protective measures under point 7 and 8.
- Disposal: see section 13

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

- See section 8. Wear personal protection equipment (refer to section 8).
- Keep container tightly closed.
- Avoid contact with skin, eyes and clothes.

#### **Advice on protection against fire and explosion**

Use only in well-ventilated areas.

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

#### **Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place. Keep/Store only in original container.

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### Advice on storage compatibility

No special measures are necessary.

### Further information on storage conditions

Store in a cool dry place.

storage temperature: 0 - 22 °C

### 7.3. Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
80-62-6	Methyl methacrylate	50	208		TWA (8 h)	WEL
		100	416		STEL (15 min)	WEL

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### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
55818-57-0	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid			
Worker DNEL, long-term		inhalation	systemic	122,5 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	17,5 mg/kg bw/day
80-62-6	methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate			
Worker DNEL, long-term		inhalation	systemic	208 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	local	208 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	13,67 mg/kg bw/day
Worker DNEL, long-term		dermal	local	1,5 mg/cm <sup>2</sup>
Worker DNEL, acute		dermal	local	1,5 mg/cm <sup>2</sup>
Consumer DNEL, long-term		inhalation	systemic	74,3 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	local	104 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	8,2 mg/kg bw/day
Consumer DNEL, long-term		dermal	local	1,5 mg/cm <sup>2</sup>
Consumer DNEL, acute		dermal	local	1,5 mg/cm <sup>2</sup>
119-61-9	Benzophenone			
Worker DNEL, long-term		inhalation	systemic	0,7 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	0,1 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,17 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	0,05 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,05 mg/kg bw/day
868-77-9	2-hydroxyethyl methacrylate			
Worker DNEL, long-term		inhalation	systemic	4,9 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	1,3 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	2,9 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	0,83 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,83 mg/kg bw/day
75980-60-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide			
Worker DNEL, long-term		inhalation	systemic	3,5 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	1 mg/kg bw/day

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### PNEC values

CAS No	Substance	Value
Environmental compartment		
55818-57-0	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid	
Freshwater		0,1 mg/l
Marine water		0,01 mg/l
Freshwater sediment		35,8 mg/kg
Marine sediment		3,58 mg/kg
Soil		7,1 mg/kg
80-62-6	methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate	
Freshwater		0,94 mg/l
Marine water		0,94 mg/l
Freshwater sediment		5,74 mg/kg
Soil		1,47 mg/kg
119-61-9	Benzophenone	
Freshwater		0,02 mg/l
Marine water		0,002 mg/l
Freshwater sediment		1,1 mg/kg
Marine sediment		0,11 mg/kg
Soil		0,31 mg/kg
868-77-9	2-hydroxyethyl methacrylate	
Freshwater		0,482 mg/l
Marine water		0,482 mg/l
Freshwater sediment		3,79 mg/kg
Marine sediment		3,79 mg/kg
Soil		0,476 mg/kg
75980-60-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	
Freshwater		0,004 mg/l
Marine water		0 mg/l
Freshwater sediment		0,29 mg/kg
Marine sediment		0,029 mg/kg
Soil		0,056 mg/kg

### 8.2. Exposure controls

#### Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.

#### Protective and hygiene measures

- Only wear fitting, comfortable and clean protective clothing.
- Avoid contact with skin, eyes and clothes.
- Wash hands before breaks and after work.
- Take off contaminated clothing and wash it before reuse.
- When using do not eat, drink, smoke, sniff.

#### Eye/face protection

- Eye glasses with side protection
- goggles

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### Hand protection

Tested protective gloves must be worn: DIN EN 374  
NR (natural rubber, natural latex)  
Thickness of the glove material  $\geq 0,4$  mm  
Breakthrough times and swelling properties of the material must be taken into consideration.  
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.  
Wearing time with occasional contact (splashes): max. 480 min.  
Wearing time with permanent contact 240 - 480 min  
Observe the wear time limits as specified by the manufacturer.

### Skin protection

Wear suitable protective clothing.

### Respiratory protection

Usually no personal respirative protection necessary.

### Environmental exposure controls

No information available.

## SECTION 9: Physical and chemical properties

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

Physical state:	Paste
Colour:	various
Odour:	characteristic

#### Test method

pH-Value: not determined

### Changes in the physical state

Melting point:	not applicable
Initial boiling point and boiling range:	$>250$ °C
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	$>100$ °C

### Flammability

Solid:	not applicable
Gas:	not applicable

### Explosive properties

not explosive according to EU A.14

Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Ignition temperature:	not applicable

### Auto-ignition temperature

Solid:	not applicable
Gas:	not applicable

Decomposition temperature: not applicable

### Oxidizing properties

No information available.

Vapour pressure:	not determined
Vapour pressure:	not determined



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Density (at 20 °C):	1,88 g/cm <sup>3</sup>
Bulk density:	not determined
Water solubility:	practically insoluble

### **Solubility in other solvents**

No information available.

Partition coefficient:	not determined
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Viscosity / dynamic:	not determined
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Viscosity / kinematic:	not determined
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Flow time:	not determined
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Vapour density:	not determined
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Evaporation rate:	not determined
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### **9.2. Other information**

No information available.

## SECTION 10: Stability and reactivity

### **10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

### **10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

### **10.3. Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

### **10.4. Conditions to avoid**

Protect from sunlight. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

### **10.5. Incompatible materials**

Radical former

### **10.6. Hazardous decomposition products**

No information available.

## SECTION 11: Toxicological information

### **11.1. Information on toxicological effects**

#### **Acute toxicity**

Harmful if swallowed.

#### **ATEmix calculated**

ATE (oral) 2000,0 mg/kg

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CAS No	Chemical name			
	Exposure route	Dose	Species	Source
	Aliphatic urethane acrylate			
	oral	ATE 500 mg/kg		
80-62-6	methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate			
	oral	LD50 ca. 7900 mg/kg	Rat	J. Ind. Hyg. Toxicol. 23: 343-351 (1941)
	dermal	LD50 > 5000 mg/kg	Rabbit	Study report (1982)
	inhalative (4 h) vapour	LC50 29,8 mg/l	Rat	J. Dent. Res. 59: 1074 (1980)
119-61-9	Benzophenone			
	oral	LD50 ca. 2895 mg/kg	Mouse	Eur J Toxicol Environ Hyg 9, 99-103 (197)
	dermal	LD50 3535 mg/kg	Rabbit	Food Cosmet Toxicol 11, 873-874 (1979)
868-77-9	2-hydroxyethyl methacrylate			
	oral	LD50 5050 mg/kg	Rat	
75980-60-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide			
	oral	LD50 >5000 mg/kg	Rat	
	dermal	LD50 >5000 mg/kg	Rat	

### Irritation and corrosivity

Causes skin irritation.

Causes serious eye damage.

### Sensitising effects

May cause an allergic skin reaction. (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid; Aliphatic urethane acrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate; 2-hydroxyethyl methacrylate; diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide)

### Carcinogenic/mutagenic/toxic effects for reproduction

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

### STOT-single exposure

May cause respiratory irritation. (methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate)

### 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.

## SECTION 12: Ecological information

### 12.1. Toxicity

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CAS No	Chemical name				
	Aquatic toxicity	Dose	[h]   [d]	Species	Source
55818-57-0	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid				
	Acute fish toxicity	LC50 > 0,082 mg/l	96 h	Cyprinus carpio	Study report (2004)
	Acute algae toxicity	ErC50 105 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (2010)
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna	Study report (2010)
	Acute bacteria toxicity	(> 1000 mg/l)	3 h	Activated sludge	Study report (2010)
80-62-6	methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate				
	Acute fish toxicity	LC50 > 79 mg/l	96 h	Oncorhynchus mykiss	European Union - Risk Assessment Report,
	Acute algae toxicity	ErC50 > 110 mg/l	72 h	Pseudokirchneriella subcapitata	European Union - Risk Assessment Report,
	Acute crustacea toxicity	EC50 69 mg/l	48 h	Daphnia magna	European Union - Risk Assessment Report,
	Crustacea toxicity	NOEC 37 mg/l	21 d	Daphnia magna	European Union - Risk Assessment Report,
119-61-9	Benzophenone				
	Acute fish toxicity	LC50 15,3 mg/l	96 h	Pimephales promelas	Study report (1984)
	Acute algae toxicity	ErC50 3,5 mg/l	72 h	Pseudokirchneriella subcapitata	Peer-reviewed database (2010)
	Acute crustacea toxicity	EC50 6,784 mg/l	48 h	Daphnia magna	Study report (2011)
	Fish toxicity	NOEC 5,86 mg/l	7 d	Pimephales promelas	Environmental Toxicology and Chemistry 1
	Crustacea toxicity	NOEC 0,2 mg/l	21 d	Daphnia magna	Peer-reviewed database (2010)
	Acute bacteria toxicity	(787 mg/l)	3 h	activated sludge of a predominantly domestic sewage	Study report (2011)
868-77-9	2-hydroxyethyl methacrylate				
	Acute fish toxicity	LC50 227 mg/l	96 h	Pimephales promelas	
75980-60-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide				
	Acute algae toxicity	ErC50 >2,01 mg/l	72 h	Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50 3,53 mg/l	48 h	Daphnia magna (Big water flea)	

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
55818-57-0	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid	ca. 1,6 - 3,8
80-62-6	methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate	1,38
119-61-9	Benzophenone	3,147
868-77-9	2-hydroxyethyl methacrylate	0,47

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### BCF

CAS No	Chemical name	BCF	Species	Source
80-62-6	methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate	ca. 3		QSAR based on public
119-61-9	Benzophenone	3,4 - 9,2	Oryzias latipes	Hazardous Substances

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Dispose of waste according to applicable legislation.

#### Contaminated packaging

Dispose of waste according to applicable legislation.

## SECTION 14: Transport information

### Land transport (ADR/RID)

<b>14.1. UN number:</b>	UN 3077
<b>14.2. UN proper shipping name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Aliphatic urethane acrylate)
<b>14.3. Transport hazard class(es):</b>	9
<b>14.4. Packing group:</b>	III
Hazard label:	9
Classification code:	M7
Special Provisions:	274 335 375 601
Limited quantity:	5 kg
Excepted quantity:	E1
Transport category:	3
Hazard No:	90
Tunnel restriction code:	-

### Inland waterways transport (ADN)

<b>14.1. UN number:</b>	UN 3077
<b>14.2. UN proper shipping name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Aliphatic urethane acrylate)
<b>14.3. Transport hazard class(es):</b>	9
<b>14.4. Packing group:</b>	III
Hazard label:	9
Classification code:	M7
Special Provisions:	274 335 375 601
Limited quantity:	5 kg
Excepted quantity:	E1

### Marine transport (IMDG)

<b>14.1. UN number:</b>	UN 3077
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<b>14.2. UN proper shipping name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Aliphatic urethane acrylate)
<b>14.3. Transport hazard class(es):</b>	9
<b>14.4. Packing group:</b>	III
Hazard label:	9
Marine pollutant:	PP
Special Provisions:	274, 335, 966, 967, 969
Limited quantity:	5 kg
Excepted quantity:	E1
EmS:	F-A, S-F

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

<b>14.1. UN number:</b>	UN 3077
<b>14.2. UN proper shipping name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Aliphatic urethane acrylate)
<b>14.3. Transport hazard class(es):</b>	9
<b>14.4. Packing group:</b>	III
Hazard label:	9
Special Provisions:	A97 A158 A179 A197
Limited quantity Passenger:	30 kg G
Passenger LQ:	Y956
Excepted quantity:	E1
IATA-packing instructions - Passenger:	956
IATA-max. quantity - Passenger:	400 kg
IATA-packing instructions - Cargo:	956
IATA-max. quantity - Cargo:	400 kg

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:	yes
Danger releasing substance:	Aliphatic urethane acrylate

### 14.6. Special precautions for user

No information available.

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No information available.

## SECTION 15: Regulatory information

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

#### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3: 2-hydroxyethyl methacrylate

Information according to 2012/18/EU (SEVESO III): E1 Hazardous to the Aquatic Environment

#### National regulatory information

Water contaminating class (D): 2 - water contaminating

### 15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid

methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate

Benzophenone

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2-hydroxyethyl methacrylate  
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

### SECTION 16: Other information

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer  
(Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
EC50: Effectice concentration, 50 percent  
DNEL: Derived No Effect Level  
PNEC: Predicted No Effect Concentration  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

#### Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

#### Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*