

Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH)

Initial preparation date: 10.28.2019

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Surgical Guide Resin

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

1.1 Product identifier

Product Name: Surgical Guide Resin

Product code: FLSGAM01

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

Relevant identified uses: For use in Formlabs SLA printers

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

1.3 Details of the manufacturer/supplier of the safety data sheet

Manufacturer:

United States

Formlabs Ohio, Inc
27800 Lemoyne Rd.
Suite O Millbury, Ohio 43447
419-837-9783
sds@formlabs.com

Supplier:

Germany

Formlabs GmbH
Nalepastr. 18
Berlin, Brandenburg 12459
+49 30 555 795 880

1.4 Emergency telephone number:

1-800-424-9300 (24/7)

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 (CLP):

Skin irritation, category 2

Skin sensitization, category 1

Eye irritation, category 2A

Chronic aquatic hazard, category 2

Hazard-determining components of labeling:

2-hydroxyethyl methacrylate

Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide

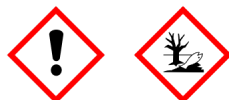
Urethane Dimethacrylate

Additional Information: None

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Hazard pictograms:



Signal word: Warning

Hazard statements:

H315 Causes skin irritation

H319 Causes serious eye irritation

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H317 May cause an allergic skin reaction

H411 Toxic to aquatic life with long lasting effects

Precautionary statements:

P264 Wash skin thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection

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

P273 Avoid release to the environment

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

P332+P313 If skin irritation occurs: Get medical advice/attention

P362 Take off contaminated clothing

P333+P313 If skin irritation or rash occurs: Get medical advice/attention

P363 Wash contaminated clothing before reuse

P391 Collect spillage

P501 Dispose of contents/container in accordance with local/regional/national regulations

2.3 Other hazards: None known

SECTION 3: Composition/information on ingredients

3.1 Substance: Not applicable.

3.2 Mixture:

Identification	REACH Registration No.	Name	Classification according to Regulation (EC) No. 1272/2008 (CLP)	Weight %
CAS number: 868-77-9 EC number: 212-782-2	-	2-hydroxyethyl methacrylate	Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319	25-45
CAS number: 162881-26-7 EC number: 423-340-5	-	Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	Skin Sens. 1; H317 Aquatic Chronic 4; H413	1-2
CAS number: 72869-86-4 EC number: 276-957-5	-	Urethane Dimethacrylate	Skin Sens. 1; H317 Aquatic Chronic 2; H411	55-75

Additional information: None

Full Text of H and EUH statements: See section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes:

Show this Safety Data Sheet to the doctor in attendance.

Following inhalation:

Remove source of exposure or move person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

Following skin contact:

Wash off immediately with soap and plenty of water while removing contaminated clothing and shoes. Continue rinsing for at least 15 minutes. See a physician if irritation persists.

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Following eye contact:

Immediately flush eyes, under eyelids with water for 15 minutes. Remove contact lenses, if present to do so. Protect unexposed eye. Continue rinsing on the way to hospital.

Following ingestion:

If swallowed, DO NOT induce vomiting unless told to do so by physician or poison control center. Rinse mouth with water. Never give anything to drink to an unconscious person. Seek medical advice.

Self-Protection of the first aider:

Not determined or not available.

4.2 Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Symptoms may include blistering, irritation, burns and pain. Effects are dependent on exposure (dose, concentration, contact time).

Delayed symptoms and effects:

Symptoms of poisoning may appear several hours later.

4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment:

None known.

Notes for the doctor:

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Alcohol- resistant foam, Dry chemical or Carbon dioxide

Unsuitable extinguishing media:

None known

5.2 Special hazards arising from the substance or mixture:

Evacuate all personnel to a predetermined safe location, no less than 2,500 feet in all directions. Can explode or detonate under fire conditions. Burning material may produce toxic vapors.

5.3 Advice for firefighters

Personal protection equipment:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA)

Special precautions:

Avoid inhaling gases, fumes, mist, dust, vapor or aerosols. Avoid contact with eyes, skin, hair or clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up:

Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal.

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6.4 Reference to other sections:

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Avoid contact with skin, eyes, and clothing. Follow good hygiene procedures when handling chemical materials. Refer to Section 8. Follow proper disposal methods. Refer to Section 13. Do not eat, drink, smoke, or use personal products when handling chemical substances.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, well ventilated place. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Keep containers closed when not in use

7.3 Specific end use(s):

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection



8.1 Control parameters

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
Lithuania	2-hydroxyethyl methacrylate	868-77-9	8-Hour TWA: 20 mg/m ³

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Derived No Effect Level (DNEL):

Ingredient Name: 2-hydroxyethyl methacrylate

CAS #: 868-77-9

Workers - Systemic Effects	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	No hazard identified
	Acute - Dermal	No hazard identified
	Chronic - Oral	Not determined or not applicable.
	Chronic - Inhalation	4.9 mg/m ³
	Chronic - Dermal	1.3 mg/kg bw/day
Workers - Local Effects	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	No hazard identified
	Acute - Dermal	No hazard identified
	Chronic - Oral	Not determined or not applicable.
	Chronic - Inhalation	No hazard identified
	Chronic - Dermal	No hazard identified

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General Population - Systemic Effects	Acute - Oral	No hazard identified
	Acute - Inhalation	No hazard identified
	Acute - Dermal	No hazard identified
	Chronic - Oral	0.83 mg/kg bw/day
	Chronic - Inhalation	2.9 mg/m ³
	Chronic - Dermal	0.83 mg/kg bw/day
General Population - Local Effect	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	No hazard identified
	Acute - Dermal	No hazard identified
	Chronic - Oral	Not determined or not applicable.
	Chronic - Inhalation	No hazard identified
	Chronic - Dermal	No hazard identified

Ingredient Name: Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide

CAS #: 162881-26-7

Workers - Systemic Effects	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	No hazard identified; 7.84 mg/m ³ ; 16.46 mg/m ³
	Acute - Dermal	No hazard identified; 3.33 mg/kg bw/day; 4.67 mg/kg bw/day
	Chronic - Oral	Not determined or not applicable.
	Chronic - Inhalation	7.84 mg/m ³ ; 11.75 mg/m ³ ; 16.46 mg/m ³ ; 21 mg/m ³
	Chronic - Dermal	3 mg/kg bw/day; 3.33 mg/kg bw/day; 4.67 mg/kg bw/day
Workers - Local Effects	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	No hazard identified; Hazard identified but no DNEL available
	Acute - Dermal	Hazard identified but no DNEL available; No hazard identified
	Chronic - Oral	Not determined or not applicable.
	Chronic - Inhalation	No hazard identified; Hazard identified but no DNEL available
	Chronic - Dermal	Hazard identified but no DNEL available; No hazard identified
General Population - Systemic Effects	Acute - Oral	No hazard identified; 1.67 mg/kg bw/day; Hazard identified but no DNEL available
	Acute - Inhalation	3.92 mg/m ³ ; Hazard identified but no DNEL available; 1.93 mg/m ³ ; 2.92 mg/m ³ ; 3.92 mg/m ³
	Acute - Dermal	No hazard identified; 1.67 mg/kg bw/day
	Chronic - Oral	No hazard identified; 1.5 mg/kg bw/day; 1.67 mg/kg bw/day
	Chronic - Inhalation	1.93 mg/m ³ ; 2.9 mg/m ³ ; 2.92 mg/m ³ ; 3.92 mg/m ³ ; 5.2 mg/m ³ ; 1.67 mg/kg bw/day
	Chronic - Dermal	1.5 mg/kg bw/day
General Population - Local Effect	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	Hazard identified but no DNEL available; No hazard identified
	Acute - Dermal	Hazard identified but no DNEL available; No hazard identified
	Chronic - Oral	Not determined or not applicable.
	Chronic - Inhalation	No hazard identified; Hazard identified but no DNEL available
	Chronic - Dermal	Hazard identified but no DNEL available; No hazard identified

Predicted No Effect Concentration (PNEC):

Ingredient Name: 2-hydroxyethyl methacrylate

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CAS #: 868-77-9

Environmental Protection Target	PNEC
Fresh water	0.482 mg/L
Freshwater sediments	3.79 mg/kg
Marine water	0.482 mg/L
Marine sediments	3.79 mg/kg
Food chain	Not determined or not available.
Microorganisms in sewage treatment	10 mg/L
Soil (agricultural)	0.476 mg/kg
Air	No hazard identified

Ingredient Name: Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide

CAS #: 162881-26-7

Environmental Protection Target	PNEC
Fresh water	0.8 µg/L
Freshwater sediments	0.712 mg/kg
Marine water	0.8 µg/L; 1 µg/L; 1 µg/L
Marine sediments	0.712 mg/kg
Food chain	Not determined or not available.
Microorganisms in sewage treatment	1 mg/L
Soil (agricultural)	Not determined or not available.
Air	No hazard identified

Information on monitoring procedures:

Not determined or not applicable.

8.2 Exposure controls

Appropriate engineering controls:

Effective ventilation in all processing areas.

Personal protection equipment

Eye and face protection:

Safety goggles

Skin and body protection:

Impervious clothing and chemical resistant gloves

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory protection

General hygienic measures:

Handle in accordance with good industrial hygiene and safety measures. Wash hands and face after handling chemical products. Wash hands before eating, drinking and smoking. Wash hands at the end of the workday.

Environmental exposure controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Product (substance / mixture) related measures to prevent exposure:	Not determined or not applicable.
Instruction measures to prevent exposure:	Not determined or not applicable.
Organisational measures to prevent exposure:	Not determined or not applicable.

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Technical measures to prevent exposure:	Not determined or not applicable.
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Risk management measures to control exposure:

Not determined or not applicable.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Transparent Yellow Liquid
Odor	Characteristic acrylate
Odor threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point/range	>100°C (>212°F)
Flash point (closed cup)	>93.5°C (>199.4°F)
Evaporation rate	No data available
Flammability (solid, gas)	Not Flammable
Upper flammability/explosive limit	No data available
Lower flammability/explosive limit	No data available
Vapor pressure	No data available
Vapor density	No data available
Density	1.09 g/cm ³
Relative density	No data available
Solubilities	No data available
Partition coefficient (n-octanol/water)	No data available
Auto/Self-ignition temperature	No data available
Decomposition temperature	No data available
Dynamic viscosity	620 cps @ 25°C (77°F)
Kinematic viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity:

Does not react under normal conditions of use and storage.

10.2 Chemical stability:

Stable under normal storage and handling conditions.

Store the containers at 10 – 25 °C (50 – 77 °F).

10.3 Possibility of hazardous reactions:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

10.4 Conditions to avoid:

Incompatible materials.

Do not exceed 25 °C (77 °F) when in storage.

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10.5 Incompatible materials:

Strong oxidizing agents.

Polymerization initiators, including peroxides, strong oxidizing agents, alcohols, copper, copper alloys, carbon steel, iron, rust, and strong bases.

10.6 Hazardous decomposition products:

Hazardous decomposition products formed during fire conditions may include oxides of carbon, nitrogen and various hydrocarbon fragments.

Hazardous polymerization may occur. Uncontrolled polymerization may cause rapid evolution of heat and increase in pressure that could result in violent rupture of sealed storage vessels or containers.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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

Product data: No data available.

Substance data:

Name	Route	Result
2-hydroxyethyl methacrylate	oral	LD50 Rat : 5564 mg/kg

Skin corrosion/irritation

Assessment:

Causes skin irritation.

Product data:

No data available.

Substance data:

Name	Result
2-hydroxyethyl methacrylate	Causes skin irritation.

Serious eye damage/irritation

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

Product data:

No data available.

Substance data:

Name	Result
2-hydroxyethyl methacrylate	Causes serious eye irritation.

Respiratory or skin sensitization

Assessment:

May cause an allergic skin reaction.

Product data:

No data available.

Substance data:

Name	Result
2-hydroxyethyl methacrylate	May cause an allergic skin reaction.

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Name	Result
Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	May cause an allergic skin reaction.
Urethane Dimethacrylate	May cause an allergic skin reaction.

Carcinogenicity

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

Product data: No data available.

Substance data: No data available.

International Agency for Research on Cancer (IARC): None of the ingredients are listed.

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

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

Product data: No data available.

Substance data: No data available.

Reproductive Toxicity

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

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

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

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (repeated exposure)

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

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

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

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute (short-term) toxicity

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Assessment:

Toxic to aquatic life with long lasting effects.

Product data: No data available.

Substance data: No data available.

Chronic (long-term) toxicity

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

Product data: No data available.

Substance data:

Name	Result
Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	EC50 Activated sludge : 100 mg/L

12.2 Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
2-hydroxyethyl methacrylate	This substance is considered readily biodegradable.
Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	This substance is not readily biodegradable.
Urethane Dimethacrylate	This substance is not readily biodegradable.

12.3 Bioaccumulative potential

Product data: No data available.

Substance data:

Name	Result
2-hydroxyethyl methacrylate	This substance has low potential to bioaccumulate.
Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	Bioaccumulation in organisms is not to be expected.

12.4 Mobility in soil

Product data: No data available.

Substance data:

Name	Result
2-hydroxyethyl methacrylate	This substance has low potential to be adsorbed by the soil.
Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	Based upon the log K _{oc} of 3.85 an adsorption to the soil is expected.
Urethane Dimethacrylate	This substance is expected to distribute between the water column and organic soil and sediment particles.

12.5 Results of PBT and vPvB assessment

PBT assessment:

2-hydroxyethyl methacrylate	This substance is not PBT.
Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	This substance is not PBT.

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Urethane Dimethacrylate	This substance is not PBT.
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vPvB assessment:

2-hydroxyethyl methacrylate	This substance is not vPvB.
Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	This substance is not vPvB.
Urethane Dimethacrylate	This substance is not vPvB.

12.6 Other adverse effects: No data available.

12.7 Hazard to the ozone layer

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

Product data: No data available.

Substance data: No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Product / Packaging disposal: Not determined or not available.

Waste codes / waste designations according to LoW: Not determined or not available.


13.1.2 Waste treatment-relevant information: Not determined or not available.

13.1.3 Sewage disposal-relevant information: Not determined or not available.

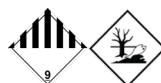
13.1.4 Other disposal recommendations: It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

SECTION 14: Transport information

International Carriage of Dangerous Goods by Road/Rail (ADR/RID)

UN number	UN 3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. methacrylate polymer
UN transport hazard class(es)	9 
Packing group	III
Environmental hazards	Marine Pollutant
Special precautions for user	None
Additional Information	This product is not regulated as a dangerous good when a single unit is transported in container sizes of ≤5 L or ≤5 kg, provided the packaging meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

International Carriage of Dangerous Goods by Inland Waterways (ADN)

UN number	UN 3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. Methacrylate Polymer
UN transport hazard class(es)	9 

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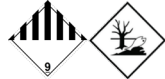
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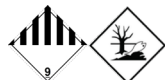
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Packing group	III
Environmental hazards	Marine Pollutant
Special precautions for user	None
Additional Information	This product is not regulated as a dangerous good when a single unit is transported in container sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

International Maritime Dangerous Goods (IMDG)

UN number	UN 3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. Methacrylate Polymer
UN transport hazard class(es)	9 
Packing group	III
Environmental hazards	Marine Pollutant
Special precautions for user	None
Additional Information	This product is not regulated as a dangerous good when a single unit is transported in container sizes of ≤5 L or ≤5 kg, provided the packaging meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	UN 3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. Methacrylate Polymer
UN transport hazard class(es)	9 
Packing group	III
Environmental hazards	Marine Pollutant
Special precautions for user	None
Additional Information	This product is not regulated as a dangerous good when a single unit is transported in container sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

SECTION 15: Regulatory information

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

European regulations

Inventory listing (EINECS):

868-77-9	2-hydroxyethyl methacrylate	Listed
162881-26-7	Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	Not Listed

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72869-86-4	Urethane Dimethacrylate	Listed
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REACH SVHC candidate list:

868-77-9	2-hydroxyethyl methacrylate	Not Listed
162881-26-7	Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	Not Listed
72869-86-4	Urethane Dimethacrylate	Not Listed

REACH SVHC Authorizations:

868-77-9	2-hydroxyethyl methacrylate	Not Listed
162881-26-7	Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	Not Listed
72869-86-4	Urethane Dimethacrylate	Not Listed

REACH Restriction:

868-77-9	2-hydroxyethyl methacrylate	Not Listed
162881-26-7	Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	Not Listed
72869-86-4	Urethane Dimethacrylate	Not Listed

Water hazard class (WGK) (Product): Not determined.

Water hazard class (WGK) (Substance):

Ingredient Name	CAS	Class
2-hydroxyethyl methacrylate	868-77-9	Water hazard class 1: slightly hazardous to water
Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	162881-26-7	Water hazard class 1: slightly hazardous to water
Urethane Dimethacrylate	72869-86-4	Water hazard class 1: slightly hazardous to water

Other regulations

Germany TA Luft:

Ingredient Name	CAS	Class	Base Emission Rate	Max Concentration
2-hydroxyethyl methacrylate	868-77-9	Not Applicable		
Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	162881-26-7	Not Applicable		
Urethane Dimethacrylate	72869-86-4	Not Applicable		

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other information

Abbreviations and Acronyms: None

Classification procedure:

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Classification according to Regulation (EC) No. 1272/2008 (CLP)	Method Used
Skin irritation, category 2	Calculation method
Skin sensitization, category 1	Calculation method
Chronic aquatic hazard, category 2	Calculation method

Summary of classification(s) in section 3:

Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1	Skin sensitization, category 1
Eye Irrit. 2	Eye Irritation, category 2
Aquatic Chronic 2	Chronic aquatic hazard, category 2

Summary of hazard statements in section 3:

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects

Disclaimer:

This product has been classified in accordance with EC No. 1272/2008 (CLP) and EC No. 1907/2006 (REACH). The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal 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, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

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End of Safety Data Sheet