

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

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

1.1 Product identifier

Product Name: DraftResin Product code: FLDRBL01

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:Supplier:United StatesGermanyFormlabs, IncFormlabs GmbH35 Medford StNalepastr. 18

Suite 201 Somerville, MA 02143 12459 Berlin +1 617 855 0762 +49 30 555 795 880

sds@formlabs.com

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 2

Chronic aquatic hazard, category 2

Hazard-determining components of labeling:

Urethane Dimethacrylate

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

Methacrylate Monomer(s)

Additional Information: None

2.2 Label elements

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

Hazard pictograms:





Signal word: Warning Hazard statements:

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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

Precautionary statements:

P273 Avoid release to the environment

P264 Wash skin thoroughly after handling

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

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

P271 Use only outdoors or in a well-ventilated area

P272 Contaminated work clothing should not be allowed out of the workplace

P391 Collect spillage

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

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing

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

P363 Wash contaminated clothing before reuse

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337+P313 If eye irritation persists: Get medical advice/attention

P403+P233 Store in a well-ventilated place. Keep container tightly closed

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: 72869-86-4 EC number: 276-957-5	-	Urethane Dimethacrylate	Skin Sens. 1; H317 Aquatic Chronic 2; H411	30-50
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	<0.9
CAS number: Trade Secret EC number: Trade Secret	-	Methacrylate Monomer(s)	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	50-70

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:

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

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Show this Safety Data Sheet to the doctor in attendance.

Following inhalation:

If inhaled, removed person to fresh air. Keep person at rest. If symptoms persist, seek medical advice **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.

Following eye contact:

Immediately flush eyes, under eyelids with water for 15 minutes. Remove contact lenses, if easy 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 irritation, redness, swelling or pain. Effects are dependent on exposure (dose, concentration, contact time).

Delayed symptoms and effects:

Effects are dependent on exposure (dose, concentration, contact time).

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:

Keep people away. Isolate fire and deny unnecessary entry. To extinguish combustible residues of this product use water fog, carbon dioxide, dry chemical or foam. Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage.

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:

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

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Shut off all possible sources of ignition and avoid friction and impact.

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 from reaching drains, sewer or waterway.

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:

Absorb spill with inert material. Keep in suitable closed containers for disposal. Prevent runoff from entering drains, sewers, or streams.

6.4 Reference to other sections:

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Wear gloves and eye protection when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.

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 anyincompatibilities:

Store in cool location. Keep away from food and beverages. Protect from freezing and physical damage. Provide ventilation for containers. Keep container tightly sealed. Store away from incompatible materials.

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:

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

Biological limit values:

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

Derived No Effect Level (DNEL):

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

CAS #: 162881-26-7

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Workers - Systemic Effects	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	No hazard identified; 7.84 mg/m³; 16.46 mg/m³
	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/m³; 11.75 mg/m³; 16.46 mg/m³; 21 mg/m³
	Chronic - Dermal	3 mg/kg bw/day; 3.33 mg/kg bw/day; 4.67 mg/kg bw/day
	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	No hazard identified; Hazard identified but no DNEL available
Workers - Local	Acute - Dermal	Hazard identified but no DNEL available; No hazard identified
Effects	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
	Acute - Oral	No hazard identified; 1.67 mg/kg bw/day; Hazard identified but no DNEL available
	Acute - Inhalation	3.92 mg/m³; Hazard identified but no DNEL available; 1.93 mg/m³; 2.92 mg/m³; 3.92 mg/m³
General Population -	Acute - Dermal	No hazard identified; 1.67 mg/kg bw/day
Systemic Effects	Chronic - Oral	No hazard identified; 1.5 mg/kg bw/day; 1.67 mg/kg bw/day
	Chronic - Inhalation	1.93 mg/m³; 2.9 mg/m³; 2.92 mg/m³; 3.92 mg/m³; 5.2 mg/m³; 1.67 mg/kg bw/day
	Chronic - Dermal	1.5 mg/kg bw/day
General Population -	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
Local Effect	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

Ingredient Name: Methacrylate Monomer(s)

CAS #: Trade Secret

13 m. Hade Secret		
Workers - Systemic	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	No hazard identified
	Acute - Dermal	No hazard identified
Effects	Chronic - Oral	Not determined or not applicable.
	Chronic - Inhalation	No hazard identified
	Chronic - Dermal	No hazard identified
	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	No hazard identified
Workers - Local	Acute - Dermal	No hazard identified
Effects	Chronic - Oral	Not determined or not applicable.
	Chronic - Inhalation	No hazard identified
	Chronic - Dermal	Hazard identified but no DNEL available
Workers Local	Acute - Dermal Chronic - Oral Chronic - Inhalation	No hazard identified No hazard identified Not determined or not applicable. 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	No hazard identified
	Chronic - Inhalation	No hazard identified
	Chronic - Dermal	No hazard identified
	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	No hazard identified
General Population - Local Effect	Acute - Dermal	No hazard identified
	Chronic - Oral	Not determined or not applicable.
	Chronic - Inhalation	No hazard identified
	Chronic - Dermal	Hazard identified but no DNEL available

Predicted No Effect Concentration (PNEC):

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
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

Ingredient Name: Methacrylate Monomer(s)

CAS #: Trade Secret

Environmental Protection Target	PNEC
Fresh water	1.6 μg/L
Freshwater sediments	0.658 mg/kg
Marine water	0.16 μg/L
Marine sediments	0.066 mg/kg
Food chain	Not determined or not available.
Microorganisms in sewage treatment	10 mg/L
Soil (agricultural)	0.131 mg/kg
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 or safety glasses with side shields

Skin and body protection:

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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.
Organizational measures to prevent exposure:	Not determined or not applicable.
Technical measures to prevent exposure:	Not determined or not applicable.

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

Appoarance	Light Violet Liquid
Appearance	· ·
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
Flash point (closed cup)	>93.5 °C
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/cm3
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	1,185 cps @ 35°C
Kinematic viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

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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.

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.

Avoid storage >38°C (100°F) and exposure to light/direct sunlight and heat.

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:

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

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: No data available.

Skin corrosion/irritation

Assessment:

Causes skin irritation.

Product data:

No data available.

Substance data:

Result
Causes skin irritation.

Serious eye damage/irritation

Assessment:

Causes serious eye irritation.

Product data:

No data available.

Substance data:

Name	Result
Methacrylate Monomer(s)	Causes serious eye irritation.

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

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Respiratory or skin sensitization

Assessment:

May cause an allergic skin reaction.

Product data:

No data available.

Substance data:

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

ivo 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.

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

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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

Assessment:

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

Product data: No data available.

Substance data: No data available.

Chronic (long-term) toxicity

Assessment: Toxic to aquatic life with long lasting effects.

Product data: No data available.

Substance data:

Name	Result
Phenyl bis(2,4,6- trimethylbenzoyl)-phosphine oxide	EC50 Activated sludge: 100 mg/L
Methacrylate Monomer(s)	LC50 Danio rerio: 1.65 mg/L
	EC50 Daphnia magna: 2.36 mg/L
	EC10 Pseudokirchneriella subcapitata: 1.6 mg/L

12.2 Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
Urethane Dimethacrylate	This substance is not readily biodegradable.
Phenyl bis(2,4,6- trimethylbenzoyl)-phosphine oxide	This substance is not readily biodegradable.
Methacrylate Monomer(s)	This substance is inherently biodegradable.

12.3 Bioaccumulative potential

Product data: No data available.

Substance data:

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

12.4 Mobility in soil

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Product data: No data available.

Substance data:

Name	Result
Urethane Dimethacrylate	This substance is expected to disturb between the water column and organic soil and sediment particles.
Phenyl bis(2,4,6- trimethylbenzoyl)-phosphine oxide	Based upon the log Koc of 3.85 an adsorption to the soil is expected.
Methacrylate Monomer(s)	This substance has potential to be adsorbed by the soil.

12.5 Results of PBT and vPvB assessment

PBT assessment:

Urethane Dimethacrylate	This substance is not PBT.
Phenyl bis(2,4,6- trimethylbenzoyl)-phosphine oxide	This substance is not PBT.
Methacrylate Monomer(s)	This substance is not PBT.

vPvB assessment:

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

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

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UN proper shipping name Environmentally hazardous liquid, N.O.S. Methacrylate Po	
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 v a single unit is transported in container sizes of ≤ 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 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 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	UN3082
UN proper shipping name	Environmentally hazardous 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 transported in sizes of $\leq 5L$ or ≤ 5 kg provided the packaging meets 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 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 transported in sizes of $\leq 5L$ or $5\leq kg$ provided the packaging meets the general provisions of $5.0.2.4.1$, $5.0.2.6.1$ and $5.0.2.8$.

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Transport in bulk according to Annex II of MARPOL and the IBC Code		
Bulk Name	None	
Ship type	None	
Pollution category	None	

SECTION 15: Regulatory information

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

Inventory listing (EINECS):

72869-86-4	Urethane Dimethacrylate	Listed
162881-26-7	Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	Not Listed
Trade Secret	Methacrylate Monomer(s)	Listed

REACH SVHC candidate list:

72869-86-4	0.00.10.00.7000	Not Listed
162881-26-7	· · · · · · · · · · · · · · · · · · ·	Not Listed
Trade Secret		Not Listed

REACH SVHC Authorizations:

72869-86-4	Urethane Dimethacrylate	Not Listed
162881-26-7	Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	Not Listed
Trade Secret	Methacrylate Monomer(s)	Not Listed

REACH Restriction:

72869-86-4	Urethane Dimethacrylate	Not Listed
162881-26-7	Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	Not Listed
Trade Secret	Methacrylate Monomer(s)	Not Listed

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

Water hazard class (WGK) (Substance):

Ingredient Name	CAS	Class
Urethane Dimethacrylate	72869-86-4	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
Methacrylate Monomer(s)	Trade Secret	Non-hazardous to water

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Other regulations

Germany TA Luft:

Ingredient Name	CAS	Class	Base Emission Rate	Max Concentration
Urethane Dimethacrylate	72869-86-4	Not Applicable		
Phenyl bis(2,4,6-trimethylbenzoyl)- phosphine oxide	162881-26-7	Not Applicable		
Methacrylate Monomer(s)	Trade Secret	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:

<u></u>	
Classification according to Regulation (EC) No. 1272/2008 (CLP)	Method Used
Skin irritation, category 2	Calculation method
Chronic aquatic hazard, category 2	Bridging principle substantially similar mixtures
Skin sensitization, category 1	Bridging principle substantially similar mixtures
Eye Irritation, category 2	Calculation method

Summary of classification(s) in section 3:

Skin Sens. 1	Skin sensitization, category 1	
Aquatic Chronic 4	ronic aquatic hazard, category 4	
Skin Irrit. 2	Skin irritation, category 2	
Eye Irrit. 2	Eye Irritation, category 2	
Aquatic Chronic 2	Chronic aquatic hazard, category 2	

Summary of hazard statements in section 3:

H317	May cause an allergic skin reaction
H413	May cause long lasting harmful effects to aquatic life
H315	Causes skin irritation
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