

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008:

Skin Irrit.2, H315; Skin Sens.1, H317; Eye Irrit.2, H319; Respiratory irritation.3, H335; Aquatic chronic.3, H412

2.2. Label elements

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

Hazard pictograms:

Signal Word:

Hazard statements:

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H412 Harmful to aquatic life with long lasting effects

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand

P102: Keep out of reach of children

P103: Read label before use

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

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

P262: Do not get in eyes, on skin, or on clothing

P264: Wash hands thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

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

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

P302+352: IF ON SKIN: Wash with plenty of water and soap.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P313: Get medical advice if you feel unwell.

P321: Specific treatment (see on MSDS)

P333+P313: In case of skin irritation or rash or injuries: Seek medical advice/attention and avoid the product

P335+313: IF ON SKIN get medical advice.

P337+313: If eye irritation persist: Get medical advice.

P362: Take off contaminated clothing.

P363: Wash contaminated clothing before reuse.

P501: Dispose of contents to disposal.

P503: Refer to manufacturer/ supplier/... for information on disposal/recovery/ recycling

2.3. Other hazards

No particular dangers to mention.

SECTION 3: Composition / information on ingredients

Composition/information on ingredients

| Material: | CAS-No.: | Concentration: | Classification: EC 1272/2008 (CLP): |
|--|--------------|----------------|-------------------------------------|
| Aliphatic Urethane Acrylate | | 25-50% | H315, H317, H319 |
| Pentaerythritol Ethoxylated Esters with acrylic acid | 51728-26-8 | 10-25% | H315, H317, H412 |
| Urethane Acrylate | | 10-25% | |
| Pentaerythritol Tetraacrylate | 1245638-61-2 | 5-10% | |

| | | | |
|--|-------------|-------|------------------------------|
| Benzyl methacrylate | 2495-37-6 | 5-10% | H315, H317, H319, H335, H412 |
| di-p-tolyl (2,4,6-trimethylbenzoyl) phosphine oxide | 270586-78-2 | 1-5% | |
| Benzoyl Isopropanol | 7473-98-5 | 1-5% | |
| Silica Caprylyl Silylate | 92797-60-9 | 1-5% | |
| Isobornylacrylate | 5888-33-5 | 1-5% | H315, H317, H319, H335 |
| PEG-3 Trimethylolpropane triacrylate | 28961-43-5 | 1-5% | H317, H319, H412 |
| Aluminum powder | 7429-90-5 | 1-5% | |
| Calcium Sodium Borosilicate | 65997-17-3 | 1-5% | |
| Silica | 7631-86-9 | <1% | |
| Dibenzyl ether | 103-50-4 | <1% | |
| BHT | 128-37-0 | <1% | |
| p-Hydroxyanisole | 150-76-5 | <1% | H317 |
| CI 77492 | 51274-00-1 | <1% | |
| CI 77891 | 13463-67-7 | <1% | |
| PPG-3 Glyceryl ether triacrylate | 52408-84-1 | <1% | |
| Tin Oxide | 18282-10-5 | <1% | |
| Isopropylidenediphenyl Bisooxyhydroxypropyl Acrylate | | <1% | |
| Aluminum Tris-Hydroxynitrosoaniline | | <1% | |

(Full text of H- and EUH-phrases: see section 16.)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Take off contaminated, soaked clothes immediately

Following inhalation: There are no special steps required. If symptoms persist, consult a doctor.

Following skin contact: After contact with skin, wash immediately with plenty of soap and water. In case of skin irritation consult a doctor.

After eye contact: In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes with the eyelid wide open. If symptoms persist, consult a doctor.

After ingestion: Rinse mouth with plenty of water and drink a lot. If symptoms persist, consult a doctor

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water spray
Water jet
Carbon dioxide (CO2)
Foam
Dry chemical

Unsuitable extinguishing media: None

5.2. Special hazards arising from the substance or mixture

None

5.3. Advice for firefighters

General information

Extinguishing measures to suit the environment

Special protective equipment for firefighters:

In case of fire: Use self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

There are no special steps required

6.2. Environmental precautions

There are no special steps required

6.3. Methods and material for containment and cleaning up

There are no special steps required

6.4. Reference to other sections

There are no special steps required

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid contact with eyes

Precautions against fire and explosion

No special fire protection measures are required

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Protect from extreme temperatures. Avoid direct sunlight

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Remark:

Contains no substances in quantities above the concentration limit for which an occupational exposure limit has been established.

8.2. Exposure controls

Occupational exposure controls

None

General protection and hygiene measures

Do not eat, drink, smoke or sniff at the workplace.
Wash hands before breaks and at the end of work.
Use skin care products after work.
Dirty clothes should be washed before reuse

Personal protection equipment

Only wear suitable, comfortable and clean protective clothing.

Respiratory protection

Respiratory protection not required

Hand protection

Wear suitable protective gloves:

Vinyl, or rubber gloves

Eye/face protection

Wear safety glasses

Body protection

Suitable body protection: overall to avoid skin contact.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-------------------------|----------------|
| Physical state: | Liquid |
| Colour: | Gold |
| Odour: | Characteristic |
| Odour threshold: | None |

Safety relevant basis data

| | Parameter | Value | Unit | Remark |
|---|-----------|-------|------|--------|
| pH: | | | | |
| Melting point/freezing point: | | n.a. | | |
| Initial boiling point and boiling range: | | n.a. | | |
| Flash point: | | n.a. | | |
| Evaporation rate: | | n.a. | | |
| Flammability (solid, gas): | | n.a. | | |
| Explosive properties: | | n.a. | | |
| Lower flammability or explosive limits: | | n.a. | | |
| Upper flammability or explosive limits: | | n.a. | | |
| Vapour pressure: | | n.a. | | |
| Vapour density: | | n.a. | | |
| Relative density: | | n.a. | | |
| Density: | | n.a. | | |
| Solubility(ies): | | n.a. | | |
| Water solubility: | | n.a. | | |
| Fat solubility: | | n.a. | | |
| Partition coefficient: | | n.a. | | |
| n-octanol/water: | | | | |
| Auto-ignition temperature: | | n.a. | | |
| Decomposition temperature: | | n.a. | | |
| Viscosity: | | n.a. | | |

Oxidising properties: n.a.

SECTION 10: Stability and reactivity

Conditions to avoid

Direct UV / Sunlight, extreme temperatures, open flames, strong oxidizers, strong acids.

10.5. Incompatible materials

Alkalies / Metal / Peroxides

10.6. Hazardous decomposition products

Not known

SECTION 11: Toxicological information

11.1. Information on toxicological effects

There is no data for the preparation.

Skin corrosion/irritation

Not irritating

Serious eye damage/irritation

Not irritating

Respiratory or skin sensitisation

Can cause sensitization to sensitive people

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No evidence of carcinogenicity on humans.

Germ cell mutagenicity

There are no indications of germ cell mutagenicity on humans

Reproductive toxicity

There are no indications of reproductive toxicity on humans

STOT-single exposure

The following symptoms may occur

Corneal opacity / Cough

STOT-repeated exposure

None

Aspiration hazard

Not irritating

SECTION 12: Ecological information

Avoid release to the environment

No relevant environmental data known

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Appropriate disposal/Product:**

Dispose according to EC Directives 75/442 / EEC and 91/689 / EEC on waste and on hazardous waste in their current versions. Can be disposed of on a landfill.

Appropriate disposal / Package:

Non-contaminated and emptied packaging can be recycled. Contaminated packaging should be handled like the substance.

SECTION 14: Transport information

14.2. UN proper shipping name

ADR / RID

No dangerous good as defined in the transport regulations

SECTION 15: Regulatory information

15.1. Classification

This product is classified and adapted to EC directives

National regulations

Observe in addition any national regulations!

Water Hazard class: class 1

Only for professional use!

Pay Attention to the application instructions!

15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out for this substance:

No chemical safety assessment is required for this substance

SECTION 16: Other information

Relevant H- and EUH-phrases (Number and full text)

Hazard statements

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H412 Harmful to aquatic life with long lasting effects
