

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.08.2016

Revision: 23.08.2016

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

- 1.1 Product identifier
- Trade name: **EUKITT UV**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against none
- Sector of Use
 - SU20 Health services
 - SU24 Scientific research and development
- Product category PC21 Laboratory chemicals
- Application of the substance / the preparation: Coating
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
ORSAtec GmbH
Max-Fischer-Strasse 11
D-86399 Bobingen
E-Mail: info@orsatec.de
Tel.: +49 761 81077
- Informing department: Product safety department.
- 1.4 Emergency telephone number:
Vergiftungs-Informations-Zentrale Freiburg
Tel.: +49 761 19240

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.
- Hazard pictograms



GHS07

- Signal word Warning
- Hazard-determining components of labelling:
Trimethylolpropan-Triacrylat ethoxyliert
- Hazard statements
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

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- Precautionary statements
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P264 Wash thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321 Specific treatment (see on this label).
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures
 - Description: Mixture of the substances listed below with harmless additions.
 - Dangerous components:
- | | | |
|-------------------|--|--------|
| CAS: 28961-43-5 | Trimethylolpropan-Triacrylat ethoxyliert | 25-50% |
| | ⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317 | |
| CAS: 7473-98-5 | 2-hydroxy-2-methylpropiophenone | < 2.5% |
| EINECS: 231-272-0 | ⚠ Acute Tox. 4, H302 | |
- Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- After inhalation
 - Supply fresh air and call for doctor for safety reasons.
 - In case of unconsciousness bring patient into stable side position for transport.
- After skin contact
 - Instantly rinse with water.
 - The product is generally no skin irritant.
- After eye contact
 - Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- After swallowing Call a doctor immediately.
- 4.2 Most important symptoms and effects, both acute and delayed
 - No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed
 - No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents Use fire fighting measures that suit the environment.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
 - Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions: Do not allow product to reach sewage system or water bodies.

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- 6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.
- 6.4 Reference to other sections
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- Information about protection against explosions and fires: No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage
- Requirements to be met by storerooms and containers: No special requirements.
- Information about storage in one common storage facility:
Store away from oxidising agents.
Store away from foodstuffs.
- Further information about storage conditions: Keep container tightly sealed.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- 8.1 Control parameters
- Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists that were valid during the compilation were used as basis.
- 8.2 Exposure controls
- Personal protective equipment
- General protective and hygienic measures
Keep away from foodstuffs, beverages and food.
Take off immediately all contaminated clothing
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
- Breathing equipment: Not required.
- Protection of hands:
Protective gloves.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves

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The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Tightly sealed safety glasses.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- General Information
- Appearance:

Form:	Fluid
Colour:	Light yellow
- Odour: Ester-like
- Odour threshold: Not determined.
- pH-value: Not determined.
- Change in condition

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	>100 °C
- Flash point: >100 °C
- Ignition temperature:

Decomposition temperature:	Not determined.
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- Self-inflammability: Product is not selfigniting.
- Danger of explosion: Product is not explosive.
- Critical values for explosion:

Lower:	Not determined.
Upper:	Not determined.
- Vapour pressure: Not determined.
- Density at 20 °C: ca.1,1 g/cm³
- Relative density: Not determined.
- Vapour density: Not determined.
- Evaporation rate: Not determined.
- Solubility in / Miscibility with

Water:	Not determined.
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- Partition coefficient (n-octanol/water): Not determined.
- Viscosity:

dynamic:	Not determined.
kinematic:	Not determined.
- Solvent content:

Organic solvents:	0.0 %
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- VOC - EU: 0.00 %
- VOC - CH: 0.00 %
- VOC - USA: 0.0 g/l / 0.00 lb/gl
- 9.2 Other information: No further relevant information available.

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SECTION 10: Stability and reactivity

- 10.1 Reactivity No further relevant information available.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:
No decomposition if used and stored according to specifications.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: Possible in traces.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
 - Acute toxicity Based on available data, the classification criteria are not met.
 - LD/LC50 values that are relevant for classification:
-
- 2274-11-5 1,2-ethanediyl diacrylate**
 Oral LD50 >2000 mg/kg (rat)
 Dermal LD50 >2000 mg/kg (rabbit)
- 28961-43-5 Trimethylolpropan-Triacrylat ethoxyliert**
 Oral LD50 >2000 mg/kg (rat)
 Dermal LD50 >2000 mg/kg (rabbit)
- 7473-98-5 2-hydroxy-2-methylpropiophenone**
 Oral LD50 1694 mg/kg (rat)
- Primary irritant effect:
 - Skin corrosion/irritation Based on available data, the classification criteria are not met.
 - Serious eye damage/irritation
Causes serious eye irritation.
 - Respiratory or skin sensitisation
May cause an allergic skin reaction.
 - CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
 - Germ cell mutagenicity Based on available data, the classification criteria are not met.
 - Carcinogenicity Based on available data, the classification criteria are not met.
 - Reproductive toxicity Based on available data, the classification criteria are not met.
 - STOT-single exposure Based on available data, the classification criteria are not met.
 - 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
 - Aquatic toxicity:
-
- 28961-43-5 Trimethylolpropan-Triacrylat ethoxyliert**
 LC50 (96h) 1.95 mg/l (Brachydanio rerio)
 EC50 (48h) 70.7 mg/l (Daphnia magna)
 EC50 (72h) 2.2 mg/l (Desmodesmus subspicatus)
- 12.2 Persistence and degradability Not easily biodegradable
 - 12.3 Bioaccumulative potential No further relevant information available.

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- 12.4 Mobility in soil No further relevant information available.
- Additional ecological information:
- General notes:
Water hazard class 2 (Self-assessment): hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system.
- 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

- 14.1 UN-Number
ADR, ADN, IMDG, IATA Void
- 14.2 UN proper shipping name
ADR, ADN, IMDG, IATA Void
- 14.3 Transport hazard class(es)
ADR, ADN, IMDG, IATA
Class Void
- 14.4 Packing group
ADR, IMDG, IATA Void
- 14.5 Environmental hazards: Not applicable.
- 14.6 Special precautions for user Not applicable.
- 14.7 Transport in bulk according to Annex II of
Marpol and the IBC Code Not applicable.
- UN "Model Regulation": Void

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- National regulations
- Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

- These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
- Relevant phrases
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
 - Department issuing data specification sheet: Environment protection department.
 - Contact: Abteilung Labor

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• 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)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

vPvB: very Persistent and very Bioaccumulative

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

Acute Tox. 4: Acute toxicity – Category 4

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

- * Data compared to the previous version altered.

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