

Safety Data Sheet



According to Regulation (EC) No. 1907/2006

Product Name: EVGNIL UV/AS1

Product No.: EVGNIL UV/AS1

Version: 1.1/EN Date: April-2018

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifiers

Product name : EVGNIL UV/AS1
Product No. : EVGNIL UV/AS1

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

Identified uses : R&D and industrial uses.

1.3. Details of the supplier of the safety data sheet

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2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

Skin sensitisation (category 1). H317

Classification according to EU Directives 67/548/EEC and 1999/45/EC

R43

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [GHS]

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Pictogram



Signal word Warning

Hazard statement(s)
H317 May cause an allergic skin reaction.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352 If on skin: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Supplemental Hazard None
Statements

According to European Directive 67/548/EEC as amended

Hazard symbol(s)



Xi Irritant

R-phrase(s)
R43 May cause sensitisation by skin contact.

2.3. Other hazards
None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Chemical characterization
Mixture

3.2. Hazardous components

EC-No.	Chemical name	Quantity
CAS-No.	Classification	
REACH-No.	GHS classification	

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	Acrylated polymer	90 - 95%
	Xi, R43	
	Skin Sens. 1A; H317	
231-272-0	2-Hydroxy-2-methylpropiophenon	< 4%
7473-98-5	Xn, R22	
	Acute Tox. 4, H302	
423-340-5	Phenyl bis(2,4,6-trimethylbenzoyl)phosphine oxide	< 2%
162881-26-7	Xi, R43, R53	
	Skin Sens. 1, Aquatic Chronic 4; H317, H413	
	(2,4,6-trimethylbenzoyl)phenylphosphinic acid ethyl ester	< 0,5%
84434-11-7	Skin Sens. 1B; Aquatic Acute 2; Aquatic Chronic 2; H317, H411	
278-355-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphinioxid	< 0,15%
75980-60-8	Xn, R52/53, R62	
	Repr. 2, H361f; Aquatic Chronic 3, H412	

4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice

Remove soiled or soaked clothing immediately. Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

Ensure supply of fresh air. In the event of symptoms seek medical advice. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water. Take for medical treatment.

In case of eye contact

Rinse thoroughly with water. In the event of symptoms seek medical advice.

If swallowed

Thoroughly clean the mouth with water. Call for medical advice; show the container or the label. Never give anything by mouth to an unconscious person.

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

Symptoms: Skin irritation.

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

Treatment: treat symptomatically.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Foam, carbon dioxide, dry powder, water spray.

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Unsuitable extinguishing media

Full water jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: carbon monoxide, carbon dioxide, silicon dioxide, oxides of phosphorus. Under certain conditions of combustion traces of other toxic substances cannot be excluded.

5.3. Advice for firefighters

Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus and wear protective suit.

5.4. Further information

None.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist, gas or dust. Ensure adequate ventilation.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil.

6.3. Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Dispose of absorbed material in accordance with the regulations. Take up with absorbent material (eg. sand, kieselguhr, universal binder). Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

For further information on exposure monitoring and disposal see sections 8 and 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling: Provide ventilation of working area (local exhaust ventilation if necessary).

General protective measures: Do not inhale gases/vapours/aerosols/dust. Avoid contact with eyes and skin.

Hygiene measures: Wash hands before breaks and after work. Remove soiled or soaked clothing immediately. Do not eat, drink or smoke when working.

7.2. Conditions for safe storage, including any incompatibilities

Advice on protection against fire and explosion : No special measures required.

Further information: Storage: cool and dry.

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Keep container tightly closed in a well-ventilated place.
German Storage Class: 10;
Storage Class (TRGS 510): Combustible liquids

Protect from light. Protect from heat and direct sunlight.

7.3. Specific end uses

No further recommendations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available.

8.2. Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye protection

Safety glasses with side pieces. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this mixture. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Skin and body protection

Protective clothing.

Respiratory protection

In case of formation of vapours/aerosols:
Short term: filter apparatus, combinaison filter A-P2.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

a) Appearance

Form: liquid
Colour: green

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b) Odour	characteristic
c) Odour threshold	no data available
d) pH (20°C)	not applicable
e) Melting point/freezing point	no data available
f) Initial boiling point	not applicable
g) Flash point	> 100°C Method: DIN EN 22719 (DIN 51758)
h) Evaporation rate	no data available
i) Flammability (solid/gas)	no data available
j) Vapour pressure	no data available
k) Vapour density	no data available
l) Relative density	ca. 1 g cm ⁻¹
m) Water solubility	insoluble
n) Partition coefficient: n-octanol/water	no data available
o) Autoignition temperature	no data available
p) Decomposition temperature	no data available
q) Viscosity, dynamic	550 – 600 mPa s
r) Explosive properties	no data available
s) Oxidizing properties	no data available

9.2. Other safety information

No data available.

10. STABILITY AND REACTIVITY

10.1. Reactivity

See section 10.3.

10.2. Chemical stability

The product is stable under normal conditions.

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10.3. Possibility of hazardous reactions

No hazardous reactions with proper storage and handling.
Non-hazardous polymerization reaction when exposed to light.

10.4. Conditions to avoid

Protect from light. Do not expose to temperatures above 40°C.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

None with proper storage and handling.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute oral toxicity

Calculated data based on components in mixture: ATE rat (oral) > 2.000 mg/kg
Information on 2-Hydroxy-2-methylpropiophenone: LD50 rat (oral): 1694 mg/kg
The product has not been tested. The statement has been derived from the properties of the individual components.

Skin corrosion/irritation

No data available.

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

May cause sensitization by skin contact.
The product has not been tested. The statement has been derived from the properties of the individual components.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Specific target organ toxicity – single exposure

No data available.

Specific target organ toxicity – Repeated exposure

No data available.

Aspiration hazard

No aspiration toxicity classification.

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Additional information

The toxicological data given are by analogy. Possibility of sensitisation through skin contact.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

The product is not classified as Aquatic Chronic or Aquatic Acute (Calculation based on components in mixture according to regulation EC 1272/2008).

The product has not been tested. The statement has been derived from the properties of the individual components.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

None.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product

In accordance with local authority regulations, take to special waste incineration plant.

Contaminated Packaging

If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

14. TRANSPORT INFORMATION

14.1. UN number

ADR/RID: -

14.2. UN proper shipping name

ADR/RID: not dangerous good

IMDG: not dangerous good

IATA: not dangerous good

14.3. Transport hazard class(es)

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ADR/RID: - IMDG: - IATA: -

14.4. Packaging group

ADR/RID: - IMDG: - IATA: -

14.5. Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6. Special precautions for user

No data available.

15. REGULATORY INFORMATION

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

Special local regulations must be adhered to when using products containing irritating or corrosive substances. BG Info Sheet M 050 "Activities Involving Hazardous Substances". Precautions to be observed for storage of hazardous substances: TRGS 510 "Storage of Hazardous Substances in Movable Containers".

15.2. Chemical safety assessment

No chemical safety assessment was carried out for this product.

16. OTHER INFORMATION

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