

Safety data sheet according to 1907/2006/EC, Article 31

Printing date: 2024-02-27

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

1.1 Product identifier

Contains: Methyloxirane Polymer with Oxirane CAS No. 9003-11-06
Trade name: PU-HOT CLEANER
Article number: 100468

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

Use of the substance/mixture: Production aid

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: **UES AG**
Breuershofstr. 48
47807 Krefeld
Germany

Informing department:

Product safety department: **Tel. 0049-2151-72 95 0**
E-Mail: info@ues-ag.net

1.4 Emergency telephone number: **Tel. 0-49-551-19 24 0**

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008
The substance is not classified according to the CLP regulation.

2.2 Label elements (CLP)

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

2.3 Other hazards

None if used as intended.

Does not meet the criteria persistent, bioaccumulative and toxic (PBT), very persistent and very bioaccumulative (vPvB).

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The following ingredients are present in a concentration $\geq 0.1\%$ and fulfil the PBT/vPvB criteria or have been identified as endocrine disruptors (ED).

The mixture does not contain substances in concentrations \geq the concentration limits for classification as PBT, vPvB or ED.

SECTION 3: Composition/information on ingredients

3.1. Substances

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Contains no hazardous ingredients above the limits of the EC Regulation

SECTION 4: First aid measures

4.1 Description of first aid measures

· **Inhalation:**

· Remove patient to fresh air. Consult a doctor if symptoms persist

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· **Skin contact:**

· Rinse with running water and soap. If irritation persists, seek medical advice.

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· **Eye contact:**

· Immediate rinsing under running water (for 10 minutes), consult a medical specialist.

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· **Ingestion:**

· Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

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4.2 Most important symptoms and effects, both acute and delayed

Repeated or prolonged contact with skin may cause skin irritation.

Repeated or prolonged contact with eyes may cause eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

See chapter "First aid measures" (SECTION 4).

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide, foam, powder

Extinguishing media which must not be used for safety reasons: high pressure waterjet

5.2 Special hazards arising from the substance or mixture

In the event of a fire, carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x) can be released.

In case of fire, keep containers cool with water spray.

5.3 Advise for firefighters

Wear self-contained breathing apparatus and full protective clothing such as turn-out gear.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin; wear protective equipment; ensure adequate ventilation; keep away from ignition sources.

6.2 Environmental precautions

Do not allow to enter drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

For small spills wipe up with paper towel and place in container for disposal.

For large spills absorb onto inert absorbent material and place in sealed container for disposal.

Dispose of contaminated material as waste according to SECTION 13.

6.4 Reference to other sections

See advise in SECTION 8.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid skin and eye contact.
Do not inhale vapors and fumes.
See advice in SECTION 8.

Hygiene measures:

Good industrial hygiene practices should be observed.
Wash hands before work breaks and after finishing work.
Do not eat, drink or smoke while working.

7.2 Conditions for safe storage, including any incompatibilities

Ensure good ventilations/extraction.
Keep container tightly sealed.
Refer to Technical Data Sheet.
Store in a dry place.

7.3 Specific end use(s)

Production aid

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits	valid for Germany:	none
Biological Exposure Indices:		none

8.2 Exposure controls

Engineering controls:

Ensure good ventilation/extraction.

Respiratory protection:

Ensure adequate ventilation.

An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area.

Filter type: A (EN 14387)

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Hand protection:

Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes.

Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time according to EN 374): Butyl rubber (IIR; ≥ 0.7 mm layer thickness). Suitable materials - also for longer, direct contact (recommended: Protection index 6, corresponding to > 480 minutes permeation time according to EN 374): Butyl rubber (IIR; ≥ 0.7 mm layer thickness).

The data are based on literature data and information from glove manufacturers or are derived by analogy from similar substances.

It should be noted that the service life of a chemical protective glove in practice can be significantly shorter than the permeation time determined according to EN 374 due to the many influencing factors (for example temperature). The glove must be replaced if it shows signs of wear.

Material thickness > 0,7 mm

Eye protection:

Safety glasses with side shields or chemical safety goggles should be worn if there is a risk of splashing.

Protective eye equipment should conform to EN 166.

Skin protection:

Wear suitable protective clothing.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should be compliant with the relevant EC standards.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Delivery form	liquid
Colour	colourless
Odour	specific
Physical state	liquid
Melting point	not applicable, product is a liquid
Solidification temperature	< -40 °C (-104 °F)
Initial boiling point	> 200 °C (> 392 °F)
Flammability	the product is not flammable
Explosion limits	not applicable, the product is not flammable
Flash point	> 100 °C (> 212 °F), no flash point up to 100 °C
Auto-ignition temperature	not applicable, substance/mixture is not self-reacting, no organic peroxide and it does not decompose under the intended conditions of use.
pH value (23 °C (73 °F); concentration.: 10 % product; solvent.: water)	6 – 8
Viscosity (kinematic) (23 °C (73 °F);)	316 mm ² /s
Solubility qualitatively (20 °C (68 °F), solvent.: water)	practically insoluble
Partition coefficient.: n-octanol/water	calculated, Lipophilic, lipophilic (log Pow 3-6, Indication of bioaccumulation potential)
Vapour pressure (20 °C (68 °F))	< 10 hPa
Density (23 °C (73 °F))	1,0 g/cm ³ no method
Relative vapour density (20 °C)	1

9.2 Other information no data available / not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

Reaction with strong alkalis
Reaction with strong acids
Reaction with strong oxidizing agents

10.2 Chemical stability

Stable under specified storage conditions

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10.3 Possibility of hazardous reactions

See SECTION Reactivity.(10.1)

10.4 Conditions to avoid

No decomposition if stored and used as intended

10.5 Incompatible materials

See SECTION Reactivity (10.1)

10.6 Hazardous decomposition products

Carbon oxides / nitrogen oxides / irritant vapours

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity:	no data available
Acute dermal toxicity :	no data available
Acute inhalative toxicity:	no data available
Skin corrosion/irritation:	no data available
Serious eye damage/irritation :	no data available
Respiratory or skin sensitization:	no data available
Germ cell mutagenicity:	no data available
Carcinogenicity:	no data available
Reproductive toxicity:	no data available
STOT-single exposure:	no data available
STOT-repeated exposure:	no data available
Aspiration hazard:	no data available

SECTION 12: Ecological information

12.1 Toxicity

Toxicity (Fish):	no data available
Toxicity (Daphnia):	no data available
Chronic toxicity to aquatic invertebrates:	no data available
Toxicity to microorganisms:	no data available

12.2 Persistence and degradability:

no data available

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12.3 Bioaccumulative potential: no data available

12.4 Mobility in soil: no data available

12.5 Results of PBT and vPvB

This mixture does not contain any substances assessed as PBT or vPvB.

12.6 Other adverse effects

No further relevant information available

SESSION 13: Disposal consideration

13.1 Waste treatment methods

Product disposal:

Do not empty into drains / surface water / ground water.
Dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

Waste code:

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances.

The valid EWC waste code numbers are source related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

SESSION 14: Transport information

14.1 UN number

No hazardous according to RID, ADR, ADN, IMDG, IATA-DGR

14.2 UN proper shipping number

No hazardous according to RID, ADR, ADN, IMDG, IATA-DGR

14.3 Transport hazard class(es)

No hazardous according to RID, ADR, ADN, IMDG, IATA-DGR

14.4 Packing group

No hazardous according to RID, ADR, ADN, IMDG, IATA-DGR

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14.5 Environmental hazards

No hazardous according to RID, ADR, ADN, IMDG, IATA-DGR

14.6 Special precautions for user

No hazardous according to RID, ADR, ADN, IMDG, IATA-DGR

14.7 Carriage in bulk by sea in accordance with IMO instruments

Not applicable

SESSION 15: Regulatory information

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

Ozone depleting substances (ODS) according to Regulation (EC) No 1005/2009: not applicable
Chemicals subject to the PIC procedure under Regulation (EU) No. 649/2012: not applicable

Persistent organic pollutants (POPs) according to Regulation (EU) 2019/1021: not applicable
VOC content (210/75/EC) < 3 %
(2010/75/EC)

15.2 Chemical safety assessment:

A chemical safety assessment has not been carried out.

National regulations / information (Germany)

WGK: WGK 1: slightly hazardous to water (Ordinance on facilities for handling substances that are hazardous to water (AwSV))

Classification according to AwSV, Annex 1 (4)

Storage class according to TRGS 510: 10

SESSION 16: Other information

ED: Substance has endocrine disrupting properties.
EU OEL: Substance with an EU occupational exposure limit
EU EXPLD 1: Substance is listed in Annex I to Regulation (EU) 2019/1148
EU EXPLD 2: Substance is listed in Annex II of Regulation (EU) 2019/1148
SVHC: Substance of very high concern (SVHC) on the Reach Candidate List
PBT: Substance meeting the persistent, bioaccumulative and toxic criteria
PBT/vPvB: Substance meeting the persistent, bioaccumulative and toxic criteria as well as the very persistent and very bioaccumulative criteria.
vPvB: Substance meeting the very persistent and very bioaccumulative criteria

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