

EC Safety Data Sheet (1907/2006/EC)



OT8

Biological Oil Stain Remover

Date of issue: 15. 10. 2009

Revision date: 05. 11. 2009

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

Trade name OT8
REACH registration Use Preparation according to REACH Regulation (EC) No. 1907/2006
Biological cleaner designed to remove residues of oils, greases and other hydrocarbon products by enhanced bacterial degradation.
Supplier RAW Handel und Beratungs GmbH
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D-79232 March-Hugstetten
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These numbers will only be staffed during office hours.
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Qualified person Dipl.-Ing. M. Fischer, Phone +49 (0) 7665 / 934 29 - 17
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Emergency information (24 h) Poison Information Center in Bonn, phone +49 (0) 228 / 19240

2. HAZARDS IDENTIFICATION

The preparation is classified as dangerous in the sense of 1999/45/EC.

The preparation is subject to labelling. In all cases please note the information of the Safety Data Sheet.

Hazard symbol: X_i
Hazard description: Irritant

Particular hazards for human and environment:
Irritating to eyes and skin.

Additional information:
No hazards to be especially mentioned. In all cases please note the information of the Safety Data Sheet.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterisation:

Aqueous cleaning suspension composed of natural bacteria cultures, salts, enzymes, organic solvents and surfactants.

Hazardous ingredients:

| Designation | EINECS | CAS No. | Conc. wt. % | Hazard symbol | R phrases | REACH |
|--|-----------|------------|-------------|---------------|-----------------|--|
| Orange terpene | 232-433-8 | 8028-48-6 | 10 - 30 | Xn | R10,38,65,52/53 | Pre-registered – Date of registration: 30.11.2010 |
| Dipropylene glycol monomethyl ether | 252-104-2 | 34590-94-8 | 0 - 5 | - | - | Pre-registered – Date of registration: 30.11.2010 |
| Isopropylamine dodecyl benzene sulfonate | 247-556-2 | 26264-05-1 | 5 - 10 | Xi | R41,38 | Pre-registered – Date of registration: 30.11.2010 |
| Alcohol ethoxylate | - | - | 0 - 5 | Xn | R22,41 | Pre-registered – Date of registration: 31.05.2018 |

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4. FIRST AID MEASURES

After inhalation: Low risk under normal conditions of use. After inhalatory exposure, remove the affected person immediately to fresh air.

After skin contact: After skin contact, wash immediately with plenty of water. Remove contaminated clothing and launder before reuse.

After eye contact: Rinse eyes with running water for at least 10 minutes holding eyelids well apart and obtain further medical assistance.

After ingestion: Do not swallow, rinse mouth with water. Drink water. Do not induce vomiting. Consult a doctor.

5. FIRE-FIGHTING MEASURES

General information The product itself is not combustible.

Suitable extinguishing media Use extinguishing media appropriate for surrounding fire.

Particular hazards posed by the substance, its combustion products or gases produced None

6. ACCIDENTAL RELEASE MEASURES

Person-specific precautionary measures: Ensure good ventilation. Wear protective clothing.

Environmental measures: Prevent entry of large spills into sewers and waters by means of containment measures.

Procedure for picking up / cleaning: Pick up small quantities using a liquid binding material. Contain large spills and pump up into containers. Flush contaminated areas with plenty of water. Collect contaminated water.

7. HANDLING AND STORAGE

Handling
Information on safe handling When handling the product, observe standard industrial hygiene and protection practices in the workplace. During filling, refilling and dosing as well as during sampling are to be used: gloves and protective goggles (see section 8).

Advice on fire and explosion protection The product is not combustible.

Storage
Demands on storage rooms and containers Do not store at temperatures above 45 °C and protect from frost. May be stored for periods up to 6 months in the original containers.

Storage class Storage class 12 B (non-flammable liquids).

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Additional information on engineering controls: See section 7.

Constituents with workplace-related limits to be monitored

| CAS Number | Substance | Type of limit: | Value, unit: |
|------------|-------------------------------------|----------------|-----------------------|
| 34590-94-8 | Dipropylene glycol monomethyl ether | MAK =1= | 310 mg/m ³ |

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Personal protective equipment

| | |
|--|---|
| Breathing protection | In exceptional situations (e.g. if large quantities of material are accidentally released, if the exposure limit is exceeded), it is necessary to wear respiratory protective equipment. Observe time limits for wearing equipment. |
| Eye protection | Wear protective goggles or protective shield (face protection). |
| Hand protection | Gloves. |
| Body protection | Wear apron and boots or suitable chemical protective suit. |
| General protection and hygiene measures | Ensure good ventilation. Don't eat, drink, smoke, sniff while working. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------|-----------------------------------|
| Form | Emulsion |
| Colour | White |
| Odour | Citrus |
| Flash point | Not applicable |
| Density | 0,93 up to 0,95 g/cm ³ |
| pH-value | 7,0 up to 7,5 (at 20°C) |

10. STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided

Stable under normal conditions of storage. Avoid overheating closed containers.

Hazardous decomposition products: None known

Materials to avoid: None known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity The product is not acutely toxic.

Information on single components

| | |
|--|-------------------------------|
| Dipropylene glycol monomethyl ether | LD50 oral (rat): 5000 mg/kg |
| Orange terpene | LD50 oral (rat): 4400 mg/kg |
| Isopropylamine dodecyl benzene sulfonate | LD50 oral (rat): > 2000 mg/kg |
| Alcohol ethoxylate | Oral: 200 < LD50 < 2000 mg/kg |
| Dermal: | LD50 > 2000 mg/kg |
| Inhalation: | LC50 > 5 mg/l |

Special properties / effects Irritating to skin and mucous membranes on prolonged contact.

12. ECOLOGICAL INFORMATION

Persistence/degradability All components are readily biodegradable.

Accumulation No bioaccumulation is expected.

Information on single components

| | |
|--------------------|------------------------------------|
| Orange terpene | EC50 Daphnia magna 48 h: 12,3 mg/l |
| Alcohol ethoxylate | Fish toxicity: 1 < LC50 < 10 mg/l |
| Daphnia toxicity: | 1 < LC50 < 10 mg/l |
| Algae toxicity: | 1 < LC50 < 10 mg/l |

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Water hazard class

WGK 1 – minor hazard for water – (self classification according to the German administrative regulation for substances hazardous to water VwVwS, Appendix 4)

13. DISPOSAL CONSIDERATIONS

Product If reuse or recycling is not possible: Disposal in accordance with the Waste Recycling and Management Law (KrW-/AbfG).
Uncleaned packaging Landfill or incineration.
Completely empty packaging Reusable after careful cleaning.

14. TRANSPORT INFORMATION

Land transport (ADR/RID): No dangerous good in the sense of these transport regulations.
Inland waterway transport (ADN/ADNR): No dangerous good in the sense of these transport regulations.
Sea ship transport (IMDG): No dangerous good in the sense of these transport regulations.
Air transport (ICAO-TI / IATA-DGR): No dangerous good in the sense of these transport regulations.

15. REGULATORY INFORMATION

Labelling in accordance with EC Directives:

Hazard symbol: Xi
Hazard label: Irritant
Water hazard class: WGK 1 (self classification)

R phrases
R36/38 Irritating to eyes and skin

S phrases
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Occupational health and safety regulations Regulations for the prevention of industrial accidents of the employers' liability insurance associations and Technical Rules for Hazardous Substances.

16. OTHER INFORMATION

The information given above is based on our present level of knowledge and does not constitute an assurance of properties. No claim is made to exhaustiveness. The information should only be considered a general guideline. Existing laws and regulations must be observed by the recipients of our product at their own responsibility. The company cannot be held responsible for damage resulting from the use of the product