

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



FROSCH SOFTENER COTTON BLOS. 750 ML SO2

WM 1109361

Order number:

Version 1

Revision Date 20.08.2010

Print Date 20.07.2011

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

Product information

Trade name : FROSCH SOFTENER COTTON BLOS. 750 ML SO2
Identification number : 61724

Use of the Sub-
stance/Mixture : Laundry fabric-softener

Company : Erdal Ges.m.b.H.
Neualmerstrasse 13
5400 Hallein

Telephone : +436245801110
Telefax : +43624580111350
E-mail address Respon-
sible/issuing person : Produktsicherheit@werner-mertz.com
Emergency telephone num-
ber : +43(0)1-4064343

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Aqueous surfactant solution.

Hazardous components

Chemical Name	CAS-No.	EC-No. / Reg- istration num- ber	Classification	Concentration [%]
Fatty acids, C10-20 and C16-18-unsatd., reac- tion products with triethanolamine, di-Me sulfate-quaternized	91995-81-2	295-344-3	Xi; R36/38	>= 10 - < 15
propan-2-ol	67-63-0	200-661-7	F; R11 Xi; R36 R67	>= 1 - < 2

For the full text of the R-phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

General advice : No hazards which require special first aid measures.

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- | | |
|--------------|---|
| Inhalation | : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician. |
| Skin contact | : Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. |
| Eye contact | : Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. |
| Ingestion | : Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. |

5. FIRE-FIGHTING MEASURES

- | | |
|--|--|
| Suitable extinguishing media | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Specific hazards during fire fighting | : Do not allow run-off from fire fighting to enter drains or water courses. |
| Special protective equipment for fire-fighters | : In the event of fire, wear self-contained breathing apparatus. |
| Further information | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |

6. ACCIDENTAL RELEASE MEASURES

- | | |
|---------------------------|--|
| Environmental precautions | : Try to prevent the material from entering drains or water courses. No special environmental precautions required. |
| Methods for cleaning up | : Neutralize with chalk, alkali solution or ammonia. Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal. |

7. HANDLING AND STORAGE

Handling

- | | |
|---|---|
| Advice on safe handling | : For personal protection see section 8. No special handling advice required. |
| Advice on protection against fire and explosion | : Normal measures for preventive fire protection. |

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Storage

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container.

Advice on common storage : No special restrictions on storage with other products.

Other data : No decomposition if stored and applied as directed. Protect from frost.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses

Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : liquid

Colour : white

Odour : characteristic

Safety data

Flash point : > 70 °C

pH : ca. 2,6

Density : ca. 1,0025 g/cm³

Water solubility : dispersible

Viscosity, dynamic : 120 - 180 mPa.s

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10. STABILITY AND REACTIVITY

- Conditions to avoid : Protect from frost.
Heat.
- Thermal decomposition : no data available
- Hazardous reactions : Stability:
No hazards to be specially mentioned.

11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity
propan-2-ol : LD50 rat
Dose: 5.045 mg/kg
- Acute inhalation toxicity
propan-2-ol : LC50 rat
Dose: 29,000 mg/l, 8 h
- Acute dermal toxicity
propan-2-ol : LD50 rabbit
Dose: 13.000 mg/kg
- Skin irritation : According to the classification criteria of the European Union,
the product is not considered as being a skin irritant.
- Eye irritation : According to the classification criteria of the European Union,
the product is not considered as being an eye irritant.
- Sensitisation : no data available
- Further information : no data available

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

- Biodegradability : The surfactant(s) contained in this preparation complies
(comply) with the biodegradability criteria as laid down in
Regulation (EC) No. 648/2004 on detergents.
- Bioaccumulation
propan-2-ol : Bioconcentration factor (BCF): 3

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Toxicity to fish
propan-2-ol : LC50
Species: Lepomis macrochirus (Bluegill sunfish)
Dose: 1.400,00 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates.
propan-2-ol : static test
EC50
Species: Daphnia magna (Water flea)
Dose: 1.000,00 mg/l
Exposure time: 48 h

Toxicity to algae
propan-2-ol : Growth inhibition
IC50
Species: Desmodesmus subspicatus (green algae)
Dose: > 1.000,00 mg/l
Exposure time: 72 h

Toxicity to bacteria
propan-2-ol : EC50
Species: Bacteria
Dose: 17.700,00 mg/l
Exposure time: 5 min
Method: see user defined free text

Further information on ecology

Additional ecological information : There is no data available for this product.

13. DISPOSAL CONSIDERATIONS

Product : Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Waste Code : European Waste Catalogue
200129
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

14. TRANSPORT INFORMATION

ADR/RID

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Not dangerous goods

IMDG

Not dangerous goods

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Labelling according to EC Directives

Further information : Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Special labelling of certain mixtures : Safety data sheet available on request for professional users.

National legislation

Major Accident Hazard Legislation : 96/82/EC Update: 2003
Directive 96/82/EC does not apply

Volatile organic compounds (VOC) content : Percent volatile: 1,51 %
101,48 g/l
VOC content excluding water

Volatile organic compounds (VOC) content : Percent volatile: 1,51 %
15,14 g/l
VOC content valid only for coating materials used on wood surfaces

16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R11 Highly flammable.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R67 Vapours may cause drowsiness and dizziness.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Contact person : Product development / product safety

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