

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



FROSCH SOFTENER ALOE VERA 750ML SO2

WM 1108266

Order number:

Version 1.

Revision Date 11.04.2011

Print Date 20.07.2011

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : FROSCH SOFTENER ALOE VERA 750ML SO2
Identification number : 61883

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

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

1.3 Details of the supplier of the safety data sheet

Company : Erdal Ges.m.b.H.
Neualmerstrasse 13
5400 Hallein
Telephone : +436245801110
Telefax : +43624580111350
E-mail address Responsible/issuing person : Produktsicherheit@werner-mertz.com
Contact person : Product development / product safety

1.4 Emergency telephone number

+43(0)1-4064343

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (67/548/EEC, 1999/45/EC)

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

2.2 Label elements

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

2.3 Other hazards

Forms slippery/greasy layers with water.

3. Composition/information on ingredients

3.2 Mixtures

Chemical nature : Aqueous surfactant solution.

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]

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Fatty acids, C10-20 and C16-18-unsatd., reaction 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	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	>= 1 - < 2

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

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.
- In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.
- If swallowed : 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.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.
- Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : For specialist advice physicians should contact the Poisons Information Service.

5. Fire-fighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

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Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

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

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment. Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses. No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

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.

Further information : Contaminated surfaces will be extremely slippery. Mark the contaminated area with signs and prevent access to unauthorized personnel.

6.4 Reference to other sections

For personal protection see section 8. Treat recovered material as described in the section "Disposal considerations". Refer to section 15 for specific national regulation.

7. Handling and storage

7.1 Precautions for safe 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.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store at room temperature in the original container. Keep container tightly closed in a dry and well-ventilated place. To maintain product quality, do not store in heat or direct sunlight.

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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, heat and sunlight.

7.3 Specific end uses

Specific use(s) : Cleaning agent

8. Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

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.

Environmental exposure controls

General advice : Try to prevent the material from entering drains or water courses. No special environmental precautions required.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : white

Odour : characteristic

pH : ca. 3,4

Boiling point/boiling range : No information available.

Flash point : > 70 °C

Density : ca. 1,0025 g/cm³

Water solubility : soluble

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Viscosity, dynamic : 140 mPa.s

9.2 Other information

Refractive index : 12 °Brix

10. Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions. No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : Protect from frost.
Heat.

10.5 Incompatible materials

Materials to avoid : no data available

10.6 Hazardous decomposition products

Hazardous decomposition products : No hazardous decomposition products are known.

11. Toxicological information

11.1 Information on toxicological effects

Product

Skin corrosion/irritation : According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Serious eye damage/eye irritation : According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Respiratory or skin sensitization : no data available

Further information : no data available

Components:

propan-2-ol :

Acute oral toxicity : LD50 (rat): 5.045 mg/kg

Acute inhalation toxicity : LC50 (rat, 8 h): 29,000 mg/l,

Acute dermal toxicity : LD50 (rabbit): 13 g/kg

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12. Ecological information

12.1 Toxicity

There is no data available for this product.

Components:

propan-2-ol :

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish), 96 h): 1.400 mg/l

Toxicity to daphnia and other aquatic invertebrates. : EC50 (Daphnia magna (Water flea), 48 h): 1.000 mg/l (static test)

Toxicity to algae : IC50 (Desmodesmus subspicatus (green algae), 72 h): > 1.000 mg/l (Growth inhibition)

Toxicity to bacteria : EC50 (Aliivibrio fischeri, 5 min): 17.700 mg/l

12.2 Persistence and degradability

Product:

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.

Components:

propan-2-ol :

Biodegradability : 95 %, Result: Biodegradable, Exposure time: 21 d, OECD Test Guideline 301

12.3 Bioaccumulative potential

There is no data available for this product.

Components:

propan-2-ol :

Bioaccumulation : Bioconcentration factor (BCF): 3

12.4 Mobility in soil

There is no data available for this product.

Components:

propan-2-ol :

Distribution among environmental compartments : Koc: 25, Highly mobile in soils

12.5 Results of PBT and vPvB assessment

There is no data available for this product.

12.6 Other adverse effects

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Product:

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

13. Disposal considerations

13.1 Waste treatment methods

- 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

14.1 UN number

ADR
Not dangerous goods
IMDG
Not dangerous goods

14.2 Proper shipping name

ADR
Not dangerous goods
IMDG
Not dangerous goods

14.3 Transport hazard class

ADR
Not dangerous goods
IMDG
Not dangerous goods

14.4 Packing group

ADR
Not dangerous goods
IMDG
Not dangerous goods

14.5 Environmental hazards

ADR
Not dangerous goods
IMDG
Not dangerous goods

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14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

There is no data available for this product.

15. Regulatory information

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

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

Volatile organic compounds (VOC) content : Percent volatile: 1,48 %
100,23 g/l
VOC content excluding water

Volatile organic compounds (VOC) content : Percent volatile: 1,48 %
14,79 g/l
VOC content valid only for coating materials used on wood surfaces

15.2 Chemical Safety Assessment

There is no data available for this product.

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.

Full text of H-Statements referred to under sections 2 and 3.

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

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.