

EC-SAFETY DATA SHEET

EMULDAC/ALCS-100 SC

Version 8.00

Revision Date 11.09.2008

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

Trade name	EMULDAC/ALCS-100 SC
Use	industrial use
Company	Sasol Italy S.p.A. Via Medici del Vascello 26 20138 Milano
Information (Product safety):	+39-02-584531 Fax: +39-02-58453205
e-mail address	enrico.dallara@it.sasol.com
Emergency telephone number	Terranova dei Passerini +39-0377 463-300

2. Hazards identification

Particular risks to human beings and the environment
No hazards to be specially mentioned.

3. Composition/information on ingredients

Fatty alcohol C16-18 ethoxylate (> 20 EO)

Concentration: >= 98,00 %

CAS-No.: 68439-49-6

Index-No.:

EC-No.

Symbol(s)

R-phrases(s): -

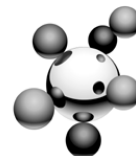
For the full text of the R phrases mentioned in this Section, see Section 16.

Other data

The base materials of the polymer are included in the EINECS Inventory.

4. First aid measures

General advice	No hazards which require special first aid measures
Inhalation	In the case of inhalation of aerosol/mist consult a physician if necessary.
Skin contact	Wash off with plenty of water.
Eye contact	Immediately flush eye(s) with plenty of water.
Ingestion	Do not induce vomiting. Consult a physician if necessary.



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5. Fire-fighting measures

Suitable extinguishing media	water spray, dry powder, foam, carbon dioxide (CO ₂)
Specific hazards during fire fighting	In case of fire hazardous decomposition products may be produced such as: CO
Special protective equipment for fire-fighters	Wear self-contained breathing apparatus and protective suit.
Further information	Standard procedure for chemical fires.

6. Accidental release measures

Personal precautions	Use personal protective equipment. Remove all sources of ignition.
Methods for cleaning up	Clean contaminated surface thoroughly. The material taken up must be disposed of in accordance with regulations.

7. Handling and storage

HANDLING

Safe handling advice	Wear personal protective equipment. Keep away from sources of ignition - No smoking.
Advice on protection against fire and explosion	Normal measures of preventive fire protection.

STORAGE

Requirements for storage areas and containers	No special storage conditions required.
Packaging material	Suitable material: Steel, plastic receptacles

8. Exposure controls / personal protection

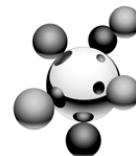
COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

general dust limiting value		MAK	10 mg/m ³	03.2002	TRGS 900
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no data available

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection	No personal respiratory protective equipment normally required.
Hand protection	gloves suitable for permanent contact:

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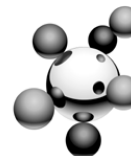
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*Material: butyl-rubber**Break through time: \geq 480 mins.**Glove thickness: \geq 0,7 mm***gloves suitable for splash protection:***Material: Nitrile rubber/nitrile latex**Break through time: \geq 30 mins.**Glove thickness: \geq 0,4 mm***Eye protection** *tightly fitting safety goggles, face shield***Skin and body protection** *protective suit***9. Physical and chemical properties**

Form	<i>solid</i> <i>flakes</i>
Colour	<i>white</i>
Odour	<i>odourless</i>
pH	<i>5 - 7; 20 °C</i>
Boiling point/range	<i>> 250 °C; 1.013 hPa</i>
Flash point	<i>> 125 °C; 1.013 hPa</i>
Explosive properties	<i>Not explosive</i>
Density	<i>ca. 1,045 g/cm³; 70 °C; 1.013 hPa</i>
Water solubility	<i>20 °C; 1.013 hPa; soluble</i>
Solubility in other solvents	<i>; 20 °C Alcohol; soluble</i>
Solubility in other solvents	<i>; 20 °C Acetone; soluble</i>
Solubility in other solvents	<i>; 20 °C Hydrocarbons; negligible</i>
Viscosity, dynamic	<i>ca. 125 mPa.s; 70 °C</i>

10. Stability and reactivity

Materials to avoid	<i>strong oxidizing agents</i>
Hazardous decomposition products	<i>No decomposition if stored normally.</i>
Thermal decomposition	<i>To avoid thermal decomposition, do not overheat.</i>



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11. Toxicological information

Acute oral toxicity	LD50 rat: > 2.000 mg/kg; (literature value)
Skin irritation	rabbit: not irritating; (literature value)
Eye irritation	rabbit: not irritating; (literature value)
Sensitization	guinea pig: not sensitizing; (literature value)

12. Ecological information

Biodegradability	biodegradable; (literature value)
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ECOTOXICITY EFFECTS

Toxicity to fish	LC50 : > 1 mg/l; 96 hours; (literature value)
Toxicity to daphnia	EC50 Daphnia magna: > 1 mg/l; 48 hours; (literature value)
Toxicity to algae	EC50 : > 1 mg/l; 72 hours; (literature value)

13. Disposal considerations

Product	Can be incinerated, when in compliance with local regulations.
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14. Transport information

Further Information	Not classified as dangerous in the meaning of transport regulations.
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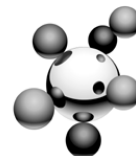
15. Regulatory information

LABELLING

Additional advice	Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 99/45/EC. The product does not need to be labelled in accordance with EC directives or respective national laws.
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NATIONAL LEGISLATION

Notification status	DSL; y (positive listing) ENCS (JP); y (positive listing) KECI (KR); y (positive listing) INV (CN); y (positive listing) AICS; y (positive listing) PICCS (PH); y (positive listing) TSCA; y (positive listing) NDSL; n (Negative listing)
Other regulations	This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a



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detergent manufacturer.

16. Other information

Text of R phrases mentioned in Section 2

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section has been revised

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.

This safety data sheet only contains safety-relevant information and does not replace any product information or product specification.