

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

ESEMTAN Aktiv Gel

No Change Service!

Version 01.06

Revision Date 24.03.2009

Print Date 24.03.2009

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

Product information

Trade name : ESEMTAN Aktiv Gel
Producer/Supplier : Schülke & Mayr GmbH
Robert-Koch-Str. 2
22851 Norderstedt
Germany
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Application : Cosmetics

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

Flammable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : (Preparation)
Solution of the following substances with harmless additives.

Components	CAS-No.	EC-No.	Symbol	R-phrase(s)	Concentration
Ethanol	64-17-5	200-578-6	F	R11	48,7 %

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

4. FIRST AID MEASURES

General advice : Take off all contaminated clothing immediately.
Eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion : Obtain medical attention.

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5. FIRE-FIGHTING MEASURES

- Special protective equipment for fire-fighters : No special precautions required.
- Suitable extinguishing media : Water, Dry powder, Alcohol-resistant foam, Carbon dioxide (CO₂)
- Extinguishing media which shall not be used for safety reasons : No information available.
- Specific risk from the substance or the product itself, its combustion products or evolved gases : No special risks to be expected.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Remove all sources of ignition.
- Environmental precautions : No special environmental precautions required.
- Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece). Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Handling

- Safe handling advice : Do not smoke.
- Advice on protection against fire and explosion : The hot product gives off combustible vapours. Keep away from sources of ignition - No smoking.

Storage

- Requirements for storage areas and containers : Store in original container. Keep at temperature not exceeding 25 °C.
- Further information : Keep container tightly closed. Keep away from direct sunlight.
- Advice on common storage : Keep away from food and drink.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value	Basis
Ethanol	64-17-5	AGW: 960 mg/m ³ AGW: 500 ppm	TRGS 900

Personal protective equipment

- Hygiene measures : Keep away from food and drink.
- Protective measures : Avoid contact with eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

- Form : structurally viscous

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Colour : colourless
Odour : camphor like

Other data

solidification range : < -5 °C
Initial boiling point : ca. 80 °C
Flash point : 21 °C
Method: DIN 53213
Ignition temperature : Ethanol
400 °C
Upper explosion limit : Ethanol
15 %(V)
Lower explosion limit : Ethanol
3,1 %(V)
Density : ca.0,92 g/cm³ at 20 °C
Water solubility : at 20 °C
in all proportions
pH : 5 - 6 at 1.000 g/l (20 °C)
Viscosity, dynamic : 1600 - 2400 mPa*s at 20 °C
Method: DIN 53018

10. STABILITY AND REACTIVITY

Hazardous reactions : None reasonably foreseeable.
Hazardous decomposition products : None reasonably foreseeable.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat > 15000 mg/kg
Skin irritation : rabbit, No skin irritation
Eye irritation : rabbit, Mildly irritant - does not need to be labelled

12. ECOLOGICAL INFORMATION

Biodegradability : Readily biodegradable.
Method: OECD 301D / EEC 84/449 C6
Chemical Oxygen Demand : 9400 mg/l

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(COD) Test substance: 1% solution

Further information : Avoid subsoil penetration.

13. DISPOSAL CONSIDERATIONS

Product : Dispose of the product according to the defined EWC (European Waste Code) No.

Contaminated packaging : Take empty packaging to the recycling plant.

Waste key for the unused product : EWC 070604

Waste key for the unused product(Group) : Waste material of HZVA from fats, lubricants, soaps, detergents, disinfectants and personal protection products.

14. TRANSPORT INFORMATION

ADR : UN-Number 1170



Class 3
Classification Code F1
Packaging group II
ADR/RID-Labels 3 + 11
ICAO-Labels 33
Description of the goods

ETHANOL, SOLUTION

IMDG : UN-Number 1170



Class 3
EmS F-E, S-D
Packaging group II
Marine pollutant --
Description of the goods

ETHANOL SOLUTION

IATA : UN-Number 1170



Class 3
Packaging group II
Description of the goods

ETHANOL SOLUTION

15. REGULATORY INFORMATION

- General advice : The product falls under the cosmetics directive and therefore does not need to be labelled Although this product does not need to be labelled, we recommend to observe the safety instructions.
- R-phrases(s) : R10 Flammable.

National legislation

- Legislation on the control of major-accident hazards involving dangerous substances : The product belongs to at least one of the categories 1 through 11 mentioned in Annex 1 of the Directive 1996/82/EC concerning the control of major accident hazards.
- Volatile organic compounds (VOC) content : 49 %
Directive 1999/13/EC on the limitation of emissions of volatile organic compounds
- VOC-Content : 0,49 kg/kg
Switzerland. VOC Ordinance, Annex II (Products)

16. OTHER INFORMATION

- Application : Information on uses can be found in a separate preparation / product brochure.
- Text of R-phrases mentioned in Section 3
- R11 Highly flammable.

The information given is only of use for possible safety requirements and is based on our actual knowledge. This information does not guarantee any properties. It is the responsibility of the receiver / user of our products to follow existing laws and regulations.

Changes compared with the previous edition!!!