

SAFETY DATA SHEET**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****1.1 Identification of the substance/preparation****Product name**

DERMADES Skin antiseptic colourless

Product code

8047, 8048,8220

1.2 Use of the Substance/Preparation**1.2.1 Expressed in writing**

Skin antiseptic colourless

1.3 Company/Undertaking Identification**1.3.1 Manufacturer, importer, supplier**

FARMOS Oy

1.3.2 Contact information**Street address**

Tengströminkatu 6

Postcode and post office

20360 TURKU

Post-office box

PL 157

Postcode and post office

FI-20101 TURKU

Telephone

0204 877 110

Telefax

0204 877 720

Business ID

2002871-3

1.4 Emergency telephone number**1.4.1 Telephone number, name and address**

+ 358 - 9 - 4711, direct + 358 - 9 - 471 977

HUS / Poison Information Centre

BOX 340, FIN-00029 HUS, Finland

2. COMPOSITION/INFORMATION ON INGREDIENTS**2.1 Hazardous components****2.1.1****CAS number**

64-17-5

112-02-7

2.1.2**Chemical name of the substance**

ethanol

hexadecyl trimethyl

ammonium chloride

2.1.3**Concentration**

77 w-%

0.125%

2.1.4**Warning symbol, R phrases and other information**

F; R11

Xn; R22-38-41-50/53

3. HAZARDS IDENTIFICATION

Highly flammable. F;R11

4. FIRST AID MEASURES**4.1 Additional advice**

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4.2 Inhalation

Move to fresh air.

4.3 Skin contact

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4.4 Eye contact

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

4.5 Ingestion

Consult a physician.

5. FIRE-FIGHTING MEASURES**5.1 Suitable extinguishing media**foam, carbon dioxide (CO₂) ja dry powder.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions**
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- 6.2 **Environmental precautions**
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- 6.3 **Methods for cleaning up**
Flush with water.

7. HANDLING AND STORAGE

- 7.1 **Handling**
Keep away from sources of ignition - No smoking.
- 7.2 **Storage**
Keep tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 **Exposure Limit Values**
- 8.1.1 **Exposure limit(s)**
- | CAS-No. | Chemical name of the substance | | |
|---------|--------------------------------|--|--|
| 64-17-5 | ethanol | 1000 ppm (8 h)
1900 mg/m ³ (8 h) | 1250 ppm (15 min)
2500 mg/m ³ (15 min) |

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 **General Information (appearance, odour)**
Colourless liquid, odour ethanolic
- 9.2 **Important Health Safety and Environmental Information**
- 9.2.1 **pH** 6
- 9.2.2 **Boiling point/range** +78 °C (etanol)
+78 °C (ethanol)
- 9.2.3 **Flash point** 19 °C
- 9.2.5 **Explosive properties**
- 9.2.5.1 **Lower explosion limit** 3,3 til-% (ethanol)
- 9.2.5.2 **Upper explosion limit** 19 til-% (ethanol)
- 9.2.7 **Vapour pressure** 5,9 kPa (+20 °C)
- 9.2.8 **Relative density** 840kg/m³
- 9.2.9 **Solubility**
- 9.2.9.1 **Water solubility** completely soluble
- 9.2.9.2 **Fat solubility (solvent - oil to be specified)** completely soluble
- 9.2.10 **Partition coefficient (n-octanol/water)**
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10. STABILITY AND REACTIVITY

- 10.1 **Conditions to avoid**
Avoid temperatures above 25°C.

11. TOXICOLOGICAL INFORMATION

- 11.1 **Acute toxicity**
Etanoli:
LC50/inhalation/ h/rat =20 000 cm³/m³
LD50/oral/rat =>10 000 mg/kg
- 11.5 **Human experience**
Ethanol contents over 1000 ppm may cause headache.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity effects

12.1.1 Aquatic toxicity

LC50/48h/daphnia = 3 700-6 800 mg/l

LC50/96h/goldfish =14 200 mg/l

12.2 Mobility

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12.3 Persistence and degradability

12.3.1 Biological degradability

Readily biodegradable

12.4 Bioaccumulative potential

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13. DISPOSAL CONSIDERATIONS

Small amounts should be diluted with plenty of water. Larger amounts to be spared. Empty rinsed containers and cans may be re-used as material or as energy.

14. TRANSPORT INFORMATION

14.1	UN-No	UN1170
14.2	Packing group	II
14.3	Land transport	
14.3.1	ADR/RID	3,II
14.3.2	Risk code	33
14.3.3	Description of the goods	ETHANOL
14.3.4	Further Information	K15,8047,8220
14.4	Sea transport	
14.4.1	IMDG	IMO 3
14.4.2	Proper technical name	ETHANOL (ETHYL ALCOHOL)
14.4.2.2	EmS	3-06
14.4.2.3	Packing group	PG II
14.4.2.6	IMO-Labels	Flammable 3
14.4.3	Further Information	Cefic 32

15. REGULATORY INFORMATION

15.1 Information on the warning label

15.1.1 Letter code of the warning symbol and indications of danger for the preparation

F Highly flammable

15.1.2 Names of the ingredients given on the warning label

Ethanol

15.1.3 R-phrase(s)

R11 Highly flammable.

15.1.4 S-phrase(s)

S7 Keep container tightly closed.

S16 Keep away from sources of ignition - No smoking.

16. OTHER INFORMATION

16.1 Text of R phrases mentioned in Section 2

R11 Highly flammable.

R22 Harmful if swallowed.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

16.4 Further Information

Registered office and domicile: Farnos Oy., Lasikuja 2, FI-02780 ESPOO

16.5 Literary reference

Exposure values 2005 Safety Data Sheets of rawmaterials. Social and health ministry: List of dangerous goods 509/2005

16.6 Additions, Deletions, Revisions

The registered company has been changed.