

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

ISOSEPTAntiseptic Handrub

Product code

8011,8014,8015,8039,8176,8179

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

Antiseptic Handrub

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**HUS / Poison Information Centre
BOX 340, FIN-00029 HUS, Finland**2. COMPOSITION/INFORMATION ON INGREDIENTS****2.1 Hazardous components****2.1.1****CAS number
or other code**

67-63-0

64-17-5

2.1.2**Chemical name of the
substance**

2-propanol 2

ethanol

2.1.3**Concentration**

55%

16%

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

F; R11; Xi; R36; R67

F; R11

3. HAZARDS IDENTIFICATION

The product is classified: HIGHLY FLAMMABLE. R;11

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

Not applicable

4.2 Inhalation

Move to fresh air.

4.3 Skin contact

Rinse with water the access amount.

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.

4.6 Information to doctor or other trained persons giving first aid

Show this safety data sheet to the doctor in attendance.

5. FIRE-FIGHTING MEASURES

- 5.1 Suitable extinguishing media**
Dry powder, foam, water spray, carbon dioxide. Cooling of cans with water.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions**
Remove all sources of ignition.
- 6.2 Environmental precautions**
Clean contaminated surface thoroughly.
- 6.3 Methods for cleaning up**
Flush with water.
- 6.4 Further information**
For accidental release measures for each preparation refer to attached material safety data sheets.

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 | |
|---------|--------------------------------|--|
| 71-23-8 | 1-propanol | 200 ppm (8 h)
500 mg/m ³ (8 h) |
| 64-17-5 | ethanol | 1000 ppm (8 h)
1900 mg/m ³ (8 h) |
- 8.1.2 Other information on limit values**
Not required because of small size of the container
- 8.2 Exposure controls**
- 8.2.1 Occupational exposure controls**
Not required because of small size of the container
- 8.2.1.1 Respiratory protection**
Not required because of small size of the container
- 8.2.1.2 Hand protection**
NA
- 8.2.1.3 Eye protection**
NA
- 8.2.1.4 Skin and body protection**
NA

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 General Information (appearance, odour)**
Clear, colourless gel
- 9.2 Important Health Safety and Environmental Information**
- 9.2.1 pH** 8
- 9.2.2 Boiling point/range** c. 80 °C
- 9.2.3 Flash point** c. 19 °C
- 9.2.8 Relative density** n. 850 kg/m³
- 9.2.9 Solubility**
- 9.2.9.1 Water solubility** good
- 9.2.9.2 Fat solubility (solvent - oil to be specified)**
good
- 9.2.10 Partition coefficient (n-octanol/water)**
NT

9.2.11 Viscosity 3000 cp

9.3 Further information
NA

10. STABILITY AND REACTIVITY

10.1 Conditions to avoid
Avoid temperatures above 25 °C.

10.2 Materials to avoid
Stable at normal conditions

10.3 Hazardous decomposition products
Risk of ignition.

11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity
Etanol LD50 = 13 700 mg/kg oral; rat

11.2 Irritation and corrosion
May cause eye irritation.

11.3 Sensitisation
NA

11.4 Subacute, subchronic and prolonged toxicity
NA

11.5 Human experience
Inhalation of vapours may cause head ache

11.6 Further information
NA

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity effects

12.1.1 Aquatic toxicity
Isopropanol LC50 = 10 400 mg/l

12.1.2 Toxicity to other organisms
Isopropanol LD50 = 5890 mg/kg oral/rat

12.2 Mobility
NT

12.3 Persistence and degradability

12.3.1 Biological degradability
Readily biodegradable, .

12.3.2 Chemical degradation
NT

12.4 Bioaccumulative potential
Water soluble

12.5 Other adverse effects
NA

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 UN1219

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	ISOPROPANOLI
14.3.4	Further Information	K11,8011,8015,8039,8176,8180,8182,8187,8189,8409,8505,8506
14.4	Sea transport	
14.4.1	IMDG	IMO 3
14.4.2	Proper technical name	ISOPROPANOL (ISOPROPYLALCOHOL)
14.4.2.2	EmS	3-06
14.4.2.3	Packing group	PG II, Flash point 19°C
14.4.2.6	IMO-Labels	Flammable 3
14.4.3	Further Information	Cefic 30G30

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**
ISOPROPANOL
- 15.1.3 R-phrases(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.
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.
- 16.4 Further Information**
Registered office and domicile: Farnos Oy., Lasikuja 2, FI-02780 ESPOO
- 16.5 Literary reference**
Sax, Lewis: Dangerous Properties of Industrial Materials.
MSDS of raw materials
STMa 624/2001, 807/2001
HTP-arvot 2002
LVM asetus 277/2002
- 16.6 Additions, Deletions, Revisions**
The registered company has been changed.

Date 1.1.2006

Signature Kristina Wesolowski