

Safety Data Sheet (91/155/EEC)

B. Braun Melsungen AG

Revision date: 08.07.2005 No.: 1,01

SOFTALIND HAND SANITIZER

00047-0202

1. Identification of the substance/preparation and company

1.1 Commercial product name

SOFTALIND HAND SANITIZER

Use of the substance/preparation

Alcoholic hand rub

1.2 Information manufacturer/supplier

B. Braun Melsungen AG

Carl-Braun-Straße 1

D-34212 Melsungen

Contact person : Zentralbereich Zentrale Logistik Telephone : ++49 (0) 5661-714523

Inquiry office :

Emergency telephone : ++49 (0) 6132 / 84463 GBK Gefahrgut Buero GmbH, Ingelheim

2. Composition/information on ingredients

Chemical characterization : (preparation)

Alcoholic, aqueous solution

Hazardous components

(Full text of each relevant R phrase can be found in heading 16)

EC No.	CAS No.	Components	Quantity	Symbols	R-phrases
200-578-6	64-17-5	Ethanol	< 55 %	F R11	
200-746-9	71-23-8	Propan-1-ol	< 25 %	F, Xi	R11-41-67

3. Hazards identification

Symbols : Irritant

R-phrases :

Flammable.

Risk of serious damage to eyes.

Vapours may cause drowsiness and dizziness.

4. First aid measures

General information

Remove contaminated soaked clothing immediately.

If you feel unwell, seek medical advice.

After inhalation

Move to fresh air in case of accidental inhalation of vapours.

In the event of symptoms refer for medical treatment.

After contact with eyes

Rinse thoroughly with plenty of water, also under the eyelids.

If eye irritation persists, consult a specialist.

After ingestion

Drink plenty of water.

Summon a doctor immediately.

Induce vomiting only upon the advice of a physician.

Attention. Beware, danger of aspiration.

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5. Fire-fighting measures

Suitable extinguishing media

Alcohol-resistant foam, dry chemical, carbon dioxide (CO₂), water-spray.

Extinguishing media that must not be used for safety reasons

Full water jet

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Fire may produce:

Carbon monoxide and carbon dioxide.

Special protective equipment for firefighters

Use breathing apparatus with independent air supply.

Additional information

Vapours are heavier than air and spread along ground.

The vapour/air mixture is explosive, even in empty, uncleaned receptacles.

Cool containers at risk with water spray jet.

6. Accidental release measures

Personal precautions

In case of vapour formation use respirator.

Avoid contact with skin, eyes and clothing.

Ensure adequate ventilation.

Keep away sources of ignition.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up/taking up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

Additional information

Use only explosion-proof equipment.

7. Handling and storage

7.1 Handling

Advice on safe handling

Ensure adequate ventilation.

When using, do not eat, drink or smoke.

Avoid contact with eyes.

Advice on protection against fire and explosion

Keep product and empty container away from heat and sources of ignition.

Do not smoke - volatile.

Take precautionary measures against static discharges.

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7.2 Storage

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.

Pay attention to anti-explosion rules.

Advice on storage compatibility

Incompatible with:

Oxidizing agents

Alkaline metals and earth alkaline metals.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

Storageclass (VCI): 3 A

8. Exposure controls/personal protection

8.1 Exposure limit values

Exposure limits (EH40)

Components CAS No.	Exposure limit ml/m ³	mg/m ³	F/ml	Category	Origin
Ethanol					
64-17-5	1000	1920		TWA (8 h)	OES
	-	-		STEL (15 min)	OES
Propan-1-ol					
71-23-8	200	500		TWA (8 h)	OES
	250	625		STEL (15 min)	OES

8.2 Exposure controls

Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Do not inhale vapours.

When using, do not eat, drink or smoke.

Avoid contact with the eyes.

Remove and wash contaminated clothing before re-use.

Respiratory protection

No personal respiratory protective equipment normally required.

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A).

Eye protection

Eye wash bottle with pure water.

Safety goggles with side protection

9. Physical and chemical properties

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9.1 Appearance

Form: Liquid Colour: Colourless Odour: Alcoholic

9.2 Important health, safety and environmental information

Test method

Changes in the physical state

Boiling point:	84 °C	
Flash point:	21 - 22 °C	
Ignition temperature:	360 °C	*)
Lower Explosion limit:	2,1 vol. %	*)
Vapour pressure: (at 20 °C)	59 hPa	**)
Density: (at 20 °C)	0,86 g/ml	
Water solubility: (at 20 °C)	Miscible g/l	

Solvent content

< 75 %

9.3 Other information

Further information

*) Propan-1-ol

***) Ethanol

10. Stability and reactivity

Conditions to avoid

Vapour/air mixtures are explosive at intensive warming.
Heating can release vapours which can be ignited.

Materials to avoid

Oxidizing agents.
Alkaline metals and alkaline earth metals

Hazardous decomposition products

Carbon monoxide and carbon dioxide.

Additional information

No decomposition if stored and applied as directed.

11. Toxicological information

Empirical data on effects on humans

Vapours may cause drowsiness and dizziness.
Risk of strong eye injuries.

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Additional information

Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.

Swallowing renders reabsorption possible.

If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known.

12. Ecological information

Additional information

Ecological injuries are not known or expected under normal use.

Do not flush into surface water or sanitary sewer system.

Slightly water hazardous.

When low concentrations are discharged correctly into adapted biological sewage treatment plants, interference with the degradation activity of activated sludge is not likely.

13. Advice on disposal

Dispose

Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations.

Where possible recycling is preferred to disposal.

Waste disposal number of Waste from residues / unused product : 070604

WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; other organic solvents, washing liquids and mother liquors

Classified as hazardous waste.

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

14. Transport information

14.1 Land transport (ADR/RID)

ADR/RID:	3
Hazard-no.:	33
UN number:	1987
Hazard label:	3
ADR packaging group:	II

Description of the goods:

ALCOHOLS, N.O.S. (Ethanol, Propan-1-ol)

Remarks

LQ 4: combination packaging: 3 l / 30 kg (total gross mass); trays: 1 l / 20 kg (total gross mass).

14.2 Inland waterways transport

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14.3 Marine transport

IMDG-Code: 3
UN number: 1987
EMS: F-E; S-D
Packaging group: II
Marine pollutant: No

Description of the goods

ALCOHOLS, N.O.S. (ethanol and propan-1-ol)

Hazard label: 3

Remarks

Limited quantities (chapter 3.4): combination packaging: 1 l / 30 kg (total gross mass); trays: 1 l / 20 kg (total gross mass)

14.4 Air transport

ICAO/IATA-DGR: 3
UN/ID number: 1987
Hazard label: 3

IATA-packing instructions - passenger: 305

IATA-max. quantity - passenger: 5 L

IATA-packing instructions - Cargo: 307

IATA-max. quantity - Cargo: 60 L

ICAO-packaging group: II

Description of the goods

ALCOHOLS, N.O.S. (ethanol and propan-1-ol, solution)

14.5 Further Information

15. Regulatory information

15.1 Labelling

Indication of danger

Xi - Irritant

Labelling according to EC-guidelines

The product is classified and labelled in accordance with EC directives.

R phrases

10-41-67

Flammable.

Risk of serious damage to eyes.

Vapours may cause drowsiness and dizziness.

S phrases

07-16-26-35-39

Keep container tightly closed.

Keep away from sources of ignition - No smoking.

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

This material and its container must be disposed of in a safe way.

Wear eye/face protection.

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Additional information

Applies for those countries where this product is classified as medicinal product or cosmetic; as ready for use medicinal product or cosmetic, this product is not subject to labelling obligation according to the CE directives in these countries.

15.2 National regulations

Water contaminating class: 1 - slightly water contaminating
1999/13/EC (VOC): < 75 %

16. Other information**List of relevant R phrases**

10 Flammable.
11 Highly flammable.
41 Risk of serious damage to eyes.
67 Vapours may cause drowsiness and dizziness.

Other data

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

"(n.a. = not applicable; n.d. = not determined)"
