

Date: September 3, 2015

Former date: October 19, 2009

(*) concerns only chemical notification

(**) either 3.1 or 3.2 must be filled

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

DESIPOWER KÄSI

1.2 Relevant identified uses of the substance or mixture and uses advised against**The uses of the chemical**

Surface disinfectant

Classification of economic activities (NACE) (*) 246 Manufacture of other chemical products**Use categories (UC62) (*)** 55. Other chemicals**The chemical can be used by the general public (*)** X**1.3 Details of the supplier of the Safety Data Sheet****Supplier (manufacturer, importer, only representative, downstream user, distributor)**

FYSIOLINE Oy

Street address	Arvionkatu 2
Postcode and post office	FI-33840 Tampere
Telephone number	+358 3 2330 300
Telefax	+358 + 2330 333
E-mail address	info@fysioline.fi
Finnish Business ID (Y code) (*)	FI-927611-8

1.4 Emergency telephone number

Hospital District of Helsinki and Uusimaa, Intoxication Information Centre (24 h)
 PL 340, Haartmaninkatu 4
 00029 HUS, FINLAND
 Emergency telephone number + 358 9 471 977

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****2.1 Classification of the substance or mixture****1272/2008 (CLP)**

Flam. Liq. 2, H225

Eye Irrit. 2, H319

67/548/EEC - 1999/45/EC

F; R11

2.2 Label elements

Classification and hazard labelling

1272/2008 (CLP)

GHS07 - GHS02

Signal word **Danger****Hazard Statements**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

**2.3 Other hazards**

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Trade name: Desipower Käsi

Date: September 3, 2015

Former date: October 19, 2009

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures (**)

Substance name	CAS-, EC- or index number	REACH Registration No.	Concentration	Classification
Ethanol	64-17-5, 200-578-6	01-2119457610-43-xxxx	70 - 75 m-%	1272/2008 Flam. Liq. 2, H225 Eye Irrit. 2, H319 67/548/EEC – 1999/45/EC F, R11

Full text phrases presented in the table are listed in section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Ingestion

Rinse mouth. Do NOT induce vomiting. Seek medical advice if needed.

Inhalation

Remove victim to fresh air. Seek medical help if symptoms continue.

Splashes in eyes

Rinse eyes immediately for 15 minutes, even under eyelids. Remove contact lenses if present and easy to do.

Skin

Rinse with plenty of water. Remove contaminated clothing. Take into account that wet clothing may cause fire risk. Seek medical help if symptoms continue.

4.2 Most important symptoms and effects, both acute and delayed

If large quantities of this material are swallowed, call a physician immediately. Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache). Contact with undiluted material may cause skin and eye irritation.

4.3 Indication of immediate medical attention and special treatment needed

For specialist advice physicians should contact the Intoxication Information Centre.

SECTION 5: FIREFIGHTING MEASURES

5.1.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.5.1 Extinguishing media which must not be used for safety reasons

Water spray

5.2 Special hazards arising from the substance or mixture

Highly flammable.

5.3 Advice for firefighters

Explosive reaction may occur on heating or burning. In the event of fire, wear self-contained breathing apparatus. In the event of fire, cool tanks with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Personal protection through wearing a tightly closed chemical protection suit and a self-contained breathing apparatus. Wear respiratory protection. Pay attention to the spreading of gases especially at ground level (heavier than air) and to the direction of the wind. Keep people away from and upwind of spill/ leak.

6.2 Environmental precautions

Try to prevent the material from entering drains or water courses.

6.3 Methods and material for containment and cleaning up

Clean-up methods - small spillage :Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite).

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Trade name: Desipower Käsi

Date: September 3, 2015

Former date: October 19, 2009

Keep tightly closed in a dry, cool and well-ventilated place. Avoid inhalation, ingestion and contact with skin and eyes. Keep away from sources of ignition. Keep away from static sparks.

7.2 Conditions for safe storage, including any incompatibilities

Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Keep away from oxidising agents and strongly acid or alkaline materials. Store in original container. Keep container tightly closed.

7.3 Specific end use(s)

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

National occupational exposure limit values

Ethanol, 64-17-5 1000 ppm (8 h) 1300 ppm (15 min)
1900 mg/m³ (8 h) 2500 mg/m³ (15 min)

Other limit values

Not known

DNEL /Ethanol

Exposure routes / Inhalation : 950 mg/m³

(Potential health effects: Chronic effects / End use / Workers)

Exposure routes / Inhalation : 1900 mg/m³

(Potential health effects: Acute effects, local effects / End use / Workers)

Exposure routes / Dermal: 343 mg/kg

(Potential health effects: Chronic effects / End use / Workers / Exposure time 1 d)

Exposure routes / Inhalation: 950 mg/m³

(Potential health effects: Acute effect, local effect / End use / Consumer)

Exposure routes / Dermal: 206 mg/kg

(Potential health effects: Chronic effects / End use / Consumer / Exposure time 1 d)

Exposure routes / Inhalation: 114 mg/m³

(Potential health effects: Chronic effects / End use / Consumer)

Exposure routes / Ingestion: 87 mg/kg

(Potential health effects: Chronic effects / End use / Consumer / Exposure time 1 d)

PNEC /Ethanol

Untreated sewage: 580 mg/l

Local fresh water: 0.96 mg/l

Soil: 0.63 mg/kg

Marine water: 0.79 mg/l

8.2 Exposure controls

8.2.1 Occupational exposure controls

Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits. Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).

8.2.2 Individual protection measures

8.2.2.1 Respiratory protection

No personal respiratory protective equipment normally required.

Respiratory protection Recommended Filter type: A

8.2.2.2 Hand protection

Glove material: Neoprene, butyl-rubber, Viton (R), Nitrile rubber

8.2.2.3 Eye/face protection

Tightly fitting safety goggles

8.2.2.4 Skin protection

Protective gloves

8.2.3 Environmental exposure controls

Dispose of product residue in accordance with the instructions of the person responsible for waste disposal. The product should not be allowed to enter drains, water courses or the soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Clear liquid
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Trade name: Desipower Käsi

Date: September 3, 2015

Former date: October 19, 2009

Odour	Alcoholic
Odour threshold	Not available
pH	Not available
Melting point/freezing point	Not available
Initial boiling point and boiling range	ca. 78 °C (ethanol)
Flash point	ca. 13 °C (PMCC)
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	upper ca.19 vol-%, lower ca. 3,3 vol-%
Vapour pressure	Ethanol: 5,8 kPa at +20 °C
Vapour density	Not applicable
Relative density	0,8-0,83 g/cm ³
Solubility(ies)	Soluble in water
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	> +356 °C
Decomposition temperature	Not available
Viscosity	Low
Explosive properties	Not applicable
Oxidising properties	Not applicable

9.2 Other information

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Keep away from heat and flame.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Keep away from oxidizing agents, strongly alkaline or strongly acid materials in order to avoid exothermic reactions.

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Incompatible materials

Keep away from oxidizing agents, strongly alkaline or strongly acid materials in order to avoid exothermic reactions.

10.3 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Not classified for acute toxicity.

Ethanol

LD50/dermal/rat =10 470 mg/kg
LD50/dermal/rabbit =15 800 mg/kg
LC50/inhalation/4h/rat =51-55 mg/l
LC50/inhalation/1h/mouse =30 000mg/m³

Trade name: Desipower Käsi

Date: September 3, 2015

Former date: October 19, 2009

Skin corrosion/irritation

Prolonged or repeated contact may dry skin and cause irritation.

Serious eye damage/irritation

Irritating to eyes (Ethanol > 50 %/ CLP).

Respiratory or skin sensitisation

No sensitization responses observed.

Other information

Ethanol: Long term and repeated use as beverage is harmful for health.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Ethanol

LC50/96t/fish = 11200 mg/l
EC50/48t/invertebrates, fresh water = 5012 mg/l
EC50/48t/invertebrates, marine water = 857 mg/l
EC50/plant, soil = 633 mg/kg

Other organisms:

12.2 Persistence and degradability

Readily biodegradable.

Ethanol: Readily biodegradable, according to appropriate OECD test.: Over 80% / 4 d (OECD Test Guideline 301)

12.3 Bioaccumulative potential

Bioaccumulation is unlikely.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of product residue in accordance with the instructions of the person responsible for waste disposal. Empty packages may be recycled.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN 1987

14.2 UN proper shipping name

Alcohol, N.O.S

14.3 Transport hazard class(es)

3

14.4 Packing group

II

14.5 Environmental hazards

14.6 Special precautions for user

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

HTP-chemical, see section 8.

15.2 Chemical safety assessment

Not dangerous if used according to the instructions.

SECTION 16: OTHER INFORMATION

Indication of changes

The new SDS template in accordance with REACH-2010; mixture CLP classification and labeling.

Abbreviations and acronyms

Trade name: Desipower Käsi

Date: September 3, 2015

Former date: October 19, 2009

Key literature references and sources for data

Chemical safety assessment

CLP (EC) 1272/2008

Classification according to 67/548/EEC or 1999/45/EC

Data provided by raw material suppliers.

Used method in evaluating classification

Regulation (EU) No. 1272/2008, and the correlation table 67/548/EEC or 1999/45/EC (CLP Annex VII) rating.

List of relevant R-and S-phrases or/and safety and precautionary statements

Raw materials

R11	Highly flammable
R22	Harmful if swallowed
R34	Corrosive
R36/38	Irritating to eyes and skin
H225	Highly flammable liquid and vapour
H301	Toxic if swallowed
H314	Causes severe skin burns
H315	Causes skin irritation
H319	Causes serious eye irritation
H400	Very toxic to aquatic life



Label elements

Flammable

Training advice for workers

Take notice of labels and material safety data sheets for the working chemicals.