

EASYDES

Date 2.9.2008

Previous date: 4.8.2006

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**1.1 Identification of the article****1.1.1 Commercial Product Name**

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1.1.2 Product code

8221,8081,8082

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

Disinfectant for surfaces

1.3 Identification of the substance/preparation and the company/undertaking**1.3.1 Supplier**

Farmos

1.3.2 Contact information**Street address**

Tengströminkatu 6

Postcode and post office

20360 Turku

Finland

P.O.Box

P.O BOX 157

Postcode and post office

20101 TURKU

Finland

Telephone

+358-104-307-110

Telefax

+358-104-307-720

Email

asiakaspalvelu@farmos.com

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

Poison advisory center in Finland: +358 9 471 977

2. HAZARDS IDENTIFICATION

Flammable.

Classification -: R10

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Hazardous components**

3.1.1 CAS/EINECS and reg.number	3.1.2 Chemical name of the substance	3.1.3 Concentration	3.1.4 Classification
64-17-5	ethanol	> 50 %	F; R11
75-65-0	2-Methyl-2-propanol	< 5 %	F; R11;Xn; R20

4. FIRST AID MEASURES**4.2 Inhalation**

In the case of inhalation of aerosol/mist consult a physician if necessary Move to fresh air.

4.3 Skin contact

Wash off immediately with plenty of water.

4.4 Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

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- 4.5 Ingestion**
Call a physician immediately.

5. FIRE-FIGHTING MEASURES

- 5.1 Suitable extinguishing media**
Dry powder, foam, water spray, carbon dioxide. Cooling of cans with water.
- 5.2 Extinguishing media which must not be used for safety reasons**
-
- 5.3 Specific hazards**
-
- 5.4 Special protective equipment for firefighters**
suitable breathing mask

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions**
Evacuate personnel to safe areas.
- 6.2 Environmental precautions**
Should not be let undiluted to environment or drain.
- 6.3 Methods for cleaning up**
Flush into sewer with plenty of water. Soak up with inert absorbent material.

7. HANDLING AND STORAGE

- 7.1 Handling**
Avoid contact with skin and eyes.
- 7.2 Storage**
Keep in a cool, well-ventilated place. Protect from sunlight, heat and ignition sources.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Exposure Limit Values**
- 8.1.1 Threshold limits**
- | | | |
|---------------------|------------------------------|---------------------------------|
| ethanol | 1000 ppm (8 h) | 1300 ppm (15 min) |
| | 1900 mg/m ³ (8 h) | 2500 mg/m ³ (15 min) |
| 2-methyl-2-propanol | 50 ppm (8 h) | 75 ppm (15 min) |
| | 150 mg/m ³ (8 h) | 230 mg/m ³ (15 min) |
- 8.1.2 Other information on limit values**
-
- 8.2 Exposure controls**
- 8.2.1 Occupational exposure controls**
Handle in accordance with good industrial hygiene and safety practice.
- 8.2.1.1 Respiratory protection**
Breathing apparatus needed only when aerosol or mist is formed.
- 8.2.1.2 Hand protection**
rubber or plastic gloves
- 8.2.1.3 Eye protection**
Protective glasses if splashes occur.
- 8.2.1.4 Skin and body protection**
Protective clothing.

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8.2.2 Environmental exposure controls

Should not be let undiluted to environment or drain.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 General Information (appearance, odour)**

Clear liquid

9.2 Important Health Safety and Environmental Information

9.2.1	pH	10
9.2.2	Boiling point/range	100 C
9.2.3	Flash point	23 C
9.2.4	Flammability (solid, gas)	-
9.2.5	Explosive properties	-
9.2.5.1	Lower explosion limit	-
9.2.5.2	Upper explosion limit	-
9.2.6	Oxidising properties	-
9.2.7	Vapour pressure	-
9.2.8	Relative density	0,888 kg/dm ³ 20 C
9.2.9	Solubility	-
9.2.9.1	Water solubility	good
9.2.9.2	Fat solubility (solvent - oil to be specified)	-
9.2.10	Partition coefficient (n-octanol/water)	-
9.3	Other data	-

10. STABILITY AND REACTIVITY**10.1 Conditions to avoid**

Not on hot surfaces.

10.2 Materials to avoid

Only for alcohol resistant materials.

10.3 Hazardous decomposition products

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11. TOXICOLOGICAL INFORMATION**11.1 Acute toxicity**

-

11.2 Primary irritation

-

11.3 Sensitisation

-

11.4 Subacute, subchronic and prolonged toxicity

-

11.5 Human experience

-

11.6 Other information of acute toxicity

-

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12. ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity**
12.1.1 Aquatic toxicity
 -
- 12.1.2 Toxicity to other organisms**
 -
- 12.2 Mobility**
 With water
- 12.3 Persistence and degradability**
12.3.1 Biodegradation
 Biodegradability > 80 %
- 12.3.2 Chemical degradation**
 -
- 12.4 Bioaccumulative potential**
 -
- 12.5 Results of PBT assessment**
 -

13. DISPOSAL CONSIDERATIONS

Dispose in compliance with local and national regulations

14. TRANSPORT INFORMATION

- | | |
|--|-------------------------|
| 14.1 UN-No | UN1170 |
| 14.2 Packaging group | II |
| 14.3 Land transport | |
| 14.3.1 Class | 3,II |
| 14.3.2 Risk No. | 33 |
| 14.3.3 Description of the goods | ETANOLI VESILIUOKSENA |
| 14.3.4 Further Information | K15,8221,8081 |
| 14.4 Sea transport | |
| 14.4.1 IMDG | IMO 3 |
| 14.4.2 Proper shipping name | ETHANOL(ETHYL AICOHOL) |
| Packaging group | PG II,Flash point 23 °C |
| 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
 -
- 15.1.3 R phrase(s)**
 R10 Flammable.
- 15.1.4 S phrase(s)**
 S7 Keep container tightly closed.
 S16 Keep away from sources of ignition - No smoking.

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16. OTHER INFORMATION**16.1 Full text of R-phrases referred to under sections 2 and 3**

R10 Flammable.
R11 Highly flammable.
R20 Harmful by inhalation.

16.2 Training advice

Look at label or leaflet.

16.4 Additional information available from:

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

16.5 Literary reference

Safety Data Sheets of rawmaterials. List of dangerous goods OEL-TWA limits 2007 in Finland

16.6 Additions, Deletions, Revisions

Updated according to Regulation (EC) N:o 1907/2006 of the European Parliament and of the Council