

F 44 SENSOL

Date 28.11.2008

Previous date: 1.1.2006

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

F 44 SENSOL

1.1.2 Product code

60079,60040

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

A strong acid detergent with foam for food industry.

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**

HUS / MyrkytystietokeskusPL 340, 00029 HUS, Suomi

09-4711 direct number +358 9 471 977

2. HAZARDS IDENTIFICATION

The product is classified as corrosive. C;R34 Causes danger of fire when in contact with combustible substances. Develops toxic chlorine gas when in contact with substances containing chlorine.

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
7664-38-2	Phosphoric acid	35%	C; R34
85117-49-3	Dodecylbenzen sulfonic acid	<5%	C; R34
-	Non-ionic tenside	5-15%	Xn;R22-41

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

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4.2 Inhalation

Move to fresh air. Consult a physician.

4.3 Skin contact

Take off all contaminated clothing immediately. Wash off immediately with plenty of water.

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- 4.4 Eye contact**
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- 4.5 Ingestion**
Drink 1 or 2 glasses of water. Do not induce vomiting. Consult a physician.

5. FIRE-FIGHTING MEASURES

- 5.1 Suitable extinguishing media**
water, foam, carbon dioxide (CO₂), dry powder.
- 5.2 Extinguishing media which must not be used for safety reasons**
A direct water jet not to be used.
- 5.3 Specific hazards**
When burnt the product develops hazardous and corrosive fumes.
- 5.4 Special protective equipment for firefighters**
Protective clothing for chemical. Breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions**
Keep people away from and upwind of spill/leak. Use personal protective equipment.
- 6.2 Environmental precautions**
Do not let product enter drains.
- 6.3 Methods for cleaning up**
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Neutralise with sodium hydroxide

7. HANDLING AND STORAGE

- 7.1 Handling**
wear personal protective equipment Handle and open container with care.
Not to be mixed up with agents containing chlorine.
- 7.2 Storage**
Keep in a dry, cool and well-ventilated place. Keep separately away from agents that react with acids. Keep tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Exposure Limit Values**
- 8.1.1 Threshold limits**
- | | | |
|-------------------|---------------------------|------------------------------|
| Phosphoric acid | 1 mg/m ³ (8 h) | 2 mg/m ³ (15 min) |
| Non-ionic tenside | 2 mg/m ³ (8 h) | |
- 8.2 Exposure controls**
- 8.2.1 Occupational exposure controls**
Avoid contact with the skin and the eyes.
- 8.2.1.1 Respiratory protection**
Breathing apparatus with filter. Type IIb.
- 8.2.1.2 Hand protection**
rubber or plastic gloves
- 8.2.1.3 Eye protection**
tightly fitting safety goggles, face-shield
- 8.2.1.4 Skin and body protection**
To protect against splashes from pouring: apron, protective suit, boots.

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8.2.2 Environmental exposure controls

Do not allow material to contaminate ground water system.

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

clear, colourless liquid

9.2 Important Health Safety and Environmental Information

9.2.1	pH	0,5
9.2.2	Boiling point/range	-
9.2.3	Flash point	-
9.2.5	Explosive properties	-
9.2.5.1	Lower explosion limit	-
9.2.5.2	Upper explosion limit	-
9.2.7	Vapour pressure	-
9.2.8	Relative density	1,23 kg/dm ³
9.2.9	Solubility	-
9.2.9.1	Water solubility	totally soluble
9.2.9.2	Fat solubility (solvent - oil to be specified)	-
9.2.10	Partition coefficient (n-octanol/water)	-

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

Heating can release hazardous gases.

10.2 Materials to avoid

bases, halogenated compounds, organic materials, combustible material, reducing agents.

10.3 Hazardous decomposition products

Toxic phosphoric compounds may be developed at the decomposition of the product.

11. TOXICOLOGICAL INFORMATION**11.1 Acute toxicity**

LD50/oral/rat= 1530 mg/kg phosphoric acid

11.2 Primary irritation

Causes severe caustic burns to skin and eyes. Inhalation of mist causes irritation of respiratory system.

11.3 Sensitisation

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11.5 Human experience

The product causes irritation of eyes, skin and mucous membranes.

12. ECOLOGICAL INFORMATION**12.1 Ecotoxicity****12.1.1 Aquatic toxicity**

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12.1.2 Toxicity to other organisms

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12.2 Mobility

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12.3 Persistence and degradability**12.3.1 Biodegradation**

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12.3.2 Chemical degradation

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12.4 Bioaccumulative potential

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13. DISPOSAL CONSIDERATIONS

Small amounts should be diluted with plenty of water. Large amounts to be neutralized with bases.

14. TRANSPORT INFORMATION

14.1	UN-No	UN1805
14.2	Packaging group	III
14.3	Land transport	
14.3.1	Class	8,III
14.3.2	Risk No.	80
14.3.3	Description of the goods	FOSFORIHAPPO
14.3.4	Further Information	KO4
14.4	Sea transport	
14.4.1	IMDG	IMO 8
14.4.2	Proper shipping name	PHOSPHORIC ACID, LIQUID
	Packaging group	PG III
	Marine pollutant	-
	IMO-Labels	Corrosive 8
14.4.3	Further Information	Cefic 82

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**

C Corrosive

15.1.2 Names of the ingredients given on the warning label

Phosphoric acid 35%

15.1.3 R phrase(s)

R34 Causes burns.

15.1.4 S phrase(s)

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 After contact with skin, wash immediately with plenty of []

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

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

R34 Causes burns.

R22 Harmful if swallowed.

R41 Risk of serious damage to eyes.

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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

Sax, Lewis: "Dangerous properties of Industrial materials"

Safety Data Sheets of rawmaterials.

STMa 509/2005

Exposure values

16.6 Additions, Deletions, Revisions

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