

F 14 FARMOSEPT

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**

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1.1.2 Product code

60051,60052,60053

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;R35

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
1310-73-2	sodium hydroxide	5-15%	C; R35
	Cationic tenside	< 5 %	C,N;R10,22,34,50
	Cationic tenside	< 5 %	Xi;R10,22,34,67
64-02-8	Na4EDTA	<5 %	Xn;R22,36

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

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4.2 Inhalation

Consult a physician. Move to fresh air.

4.3 Skin contact

Consult a physician. Take off all contaminated clothing immediately. 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

Consult a physician. Do not induce vomiting. Rinse mouth. Drink plenty of water.

5. FIRE-FIGHTING MEASURES**5.1 Suitable extinguishing media**

The product in itself is incombustible.

5.2 Extinguishing media which must not be used for safety reasons

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5.3 Specific hazards

When the product reacts with metal, be freed hydrogen, which can make explosive mixture with air.

5.4 Special protective equipment for firefighters

Protective clothing for chemical. Breathing apparatus

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions**

Use personal protective equipment.

6.2 Environmental precautions

Should not be released into the environment. Prevent product from entering drains.

6.3 Methods for cleaning up

Small amounts: Flush with plenty of water.

7. HANDLING AND STORAGE**7.1 Handling**

Handle and open container with care. Product resists ignition and does not promote flame spread.

7.2 Storage

Keep tightly closed in a dry and cool place. Keep at temperatures above +3 °C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Exposure Limit Values****8.1.1 Threshold limits**

sodium hydroxide 2 mg/m³ (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

Half mask with a particle filter P2 (European Norm EN 143 = former DIN 3181)

8.2.1.2 Hand protection

Neoprene gloves nitrile rubber PVC or other plastic material gloves

8.2.1.3 Eye protection

face-shield, Eye wash bottle with pure water

8.2.1.4 Skin and body protection

Chemical resistant apron, protective suit

8.2.2 Environmental exposure controls

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9. PHYSICAL AND CHEMICAL PROPERTIES

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9.1	General Information (appearance, odour) yellow clear liquid
9.2	Important Health Safety and Environmental Information
9.2.1	pH 14
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 1,09kg/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 -
10.2	Materials to avoid light metals
10.3	Hazardous decomposition products -

11. TOXICOLOGICAL INFORMATION

11.1	Acute toxicity LDLo/oral/rabbit=500 mg/kg (10% solution) sodium hydroxide
11.2	Primary irritation Alkaline solution causes necrosis to tissue.
11.3	Sensitisation -
11.5	Human experience -

12. ECOLOGICAL INFORMATION

12.1	Ecotoxicity
12.1.1	Aquatic toxicity LC50/48h/daphnia =30-100 mg/l sodium hydroxide
12.1.2	Toxicity to other organisms -
12.2	Mobility No data is available on the product itself.
12.3	Persistence and degradability
12.3.1	Biodegradation -
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.

14. TRANSPORT INFORMATION

14.1	UN-No	UN1824
14.2	Packaging group	II
14.3	Land transport	
14.3.1	Class	8,II
14.3.2	Risk No.	80
14.3.3	Description of the goods	NATRIUMHYDROKSIDILIUOS
14.3.4	Further Information	K06
14.4	Sea transport	
14.4.1	IMDG	IMO 8
14.4.2	Proper shipping name	SODIUM HYDROXIDE SOLUTION
	Packaging group	PG II
	Marine pollutant	-
	IMO-Labels	Corrosive 8
14.4.3	Further Information	EmS: -

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	
	sodium hydroxide	
15.1.3	R phrase(s)	
	R35	Causes severe burns.
15.1.4	S phrase(s)	
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S37/39	Wear suitable 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	
	R35	Causes severe burns.
	R10	Flammable.
	R22	Harmful if swallowed.
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	

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16.5 Literary reference

Sax, Lewis: "Dangerous properties of Industrial materials"
Safety Data Sheets of rawmaterials.
STMa 509/2005
Directive 277/2002

16.6 Additions, Deletions, Revisions

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