

F 10 Hype

Date 26.2.2010

Previous date: 1.11.2007

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

- 1.1 Identification of the substance or preparation**
- 1.1.1 Commercial Product Name**
F 10 Hype
- 1.1.2 Product code**
60033, 60034, 60239
- 1.2 Use of the Substance/Preparation**
- 1.2.1 Expressed in writing**
Strongly alkaline and disinfective detergent with foam for food industry.
- 1.3 Company/undertaking identification**
- 1.3.1 Supplier**
Farmos Oy
- 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**
- 1.4.1 Telephone number, name and address**
Poison advisory center in Finland: +358 9 471 977

2. HAZARDS IDENTIFICATION

Causes severe burns. C;R35 , Dangerous for the environment Very toxic to aquatic organisms. N; R50,

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Hazardous components	3.1.1 CAS/EC and EINECS Reg.number	3.1.2 Chemical name of the substance	3.1.3 Concentration	3.1.4 Classification
	1310-73-2	Sodium hydroxide	<5 %	C; R35
	7681-52-9	Sodium hypochlorite	< 5 %	C,N; R31-34-50
	1310-58-3	Potassium hydroxide	<2 %	C; R22-35
	61788-90-7	Aminoxide	< 5 %	Xi; R38-41

4. FIRST AID MEASURES

- 4.1 Additional advice**
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- 4.2 Inhalation**
Consult a physician. Move to fresh air.

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- 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.
- 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 metals, frees hydrogen, which can form the explosive mixture with air. In fire frees toxic chlorine cases.
- 5.4 Special protective equipment for firefighters**
Overalls for chemicals. Aqualung or comparable 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. Used as structural materials plastic a.o. PE and PVC, titanium and some reinforced plastics endure the product.
- 7.2 Storage**
Do not store near acids. 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/m ³ (15 min)
highest value |
| Potassium hydroxide | 2 mg/m ³ (15 min)
highest value |
- 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 (BS EN 143)
- 8.2.1.2 Hand protection**
Neoprene gloves nitrile rubber PVC or other plastic material gloves

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- 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

- 9.1 General Information (appearance, odour)**
yellow clear slight chlorine 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** 1,13 kg/dm³
- 9.2.9 Solubility**
- 9.2.9.1 Water solubility** completely 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**
Burning produces obnoxious and toxic fumes. Temperatures above +20 °C.
- 10.2 Materials to avoid**
light metals
- 10.3 Hazardous decomposition products**
May develop chlorine if mixed with acidic solutions.

11. TOXICOLOGICAL INFORMATION

- 11.1 Acute toxicity**
LDLo/oral/rabbit=500 mg/kg (10% solution) sodium hydroxide
LD50/oral/mouse=5800 mg/kg sodium hypochlorite
- 11.2 Primary irritation**
Alkaline solution causes necrosis to tissue.
- 11.3 Sensitisation**
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- 11.5 Human experience**
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12. ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity**
- 12.1.1 Aquatic toxicity**

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LC50/48h/daphnia =30-100 mg/l sodium hydroxide
 LC50/96h/Sheephead minnows =5,9 mg/l , LC50/96h/rainbow trout =0,07 mg/l(Cl₂) sodium hypochlorite

12.1.2 Toxicity to other organisms

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12.2 Mobility

No data is available on the product itself.

12.3 Persistence and degradability**12.3.1 Biodegradation**

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12.3.2 Chemical degradation

-

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
 N Dangerous for the environment

15.1.2 Names of the ingredients given on the warning label

Sodium hydroxide

15.1.3 R phrase(s)

R35 Causes severe burns.
 R50 Very toxic to aquatic organisms.

15.1.4 S phrase(s)

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

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S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S50	Do not mix with acid.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

16. OTHER INFORMATION**16.1 List of relevant R phrases**

R22	Harmful if swallowed.
R31	Contact with acids liberates toxic gas.
R34	Causes burns.
R35	Causes severe burns.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.

16.2 Training advice

Look at label or leaflet.

16.5 Literary reference

Sax, Lewis: "Dangerous properties of Industrial materials"
Safety Data Sheets of rawmaterials.
List of dangerous goods
This MSDS is based on currently valid laws and regulations

16.6 Additions, Deletions, Revisions

Safety data sheet updated.