

**SUPI SAUNAPESU**

Date 8.7.2008

Previous date: 17.8.2007

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

SUPI SAUNAPESU

**1.1.2 Product code**

001 7099

**1.2 Use of the Substance/Preparation****1.2.1 Intended use**

Cleaning

Description: An acidic cleaning agent which desinfects, bleaches and dissolves lime scale deposits in saunas and other humid rooms.

**1.3 Identification of the company****1.3.1 Supplier**

Tikkurila Oy

**1.3.2 Contact information:****P.O.Box**

P.O.Box 53

**Postcode and post office**

FI-01301 VANTAA

FINLAND

**Telephone**

+358 9 857 71

**Telefax**

+358 9 8577 6936

**1.3.4 Responsible for the Safety Data Sheet:**

Tikkurila Oy, Product Safety, e-mail: productsafety@tikkurila.com

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

Tikkurila Oy, Environment and Safety: +358 9 857 71

**2. HAZARDS IDENTIFICATION**

Corrosive, C

Causes severe burns.

Information on hazard labelling in section 15.1.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Hazardous components****3.1.1****CAS number****EINECS****3.1.2****Chemical name of the substance****3.1.3****Concentration****3.1.4****Classification**

7664-38-2

231-633-2

Phosphoric acid

1 - 5 %

C; R34

9043-30-5

500-027-2

Isotridecanol ethoxylate

1 - 2,5 %

Xn; R22-41

144-62-7/

205-634-3/

Oxalic acid

1 - 2,5 %

Xn; R21/22

6153-56-6

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61789-71-7

263-080-8

Coco benzyldimethyl ammonium chloride

1 - 2,5 %

C, N; R22-34-50

67-63-0

200-661-7

Isopropanol

0 - 2,5 %

F, Xi; R11-36-67

64-17-5

200-578-6

Ethanol

0 - 2,5 %

F; R11

**3.1.7 Further information**

Contains &lt; 5 % non-ionic surfactants, &lt; 5 % cationic surfactants and &lt; 5 % perfumes.

**4. FIRST AID MEASURES**

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- 4.1 Additional advice**  
In all cases of doubt, or when symptoms persist, seek medical attention.
- 4.2 Inhalation**  
Remove to fresh air.
- 4.3 Skin contact**  
Remove contaminated clothing. Wash skin thoroughly with soap and plenty of water or use recognized skin cleanser.
- 4.4 Eye contact**  
Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.
- 4.5 Ingestion**  
If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT induce vomiting.

**5. FIRE-FIGHTING MEASURES**

- 5.1 Suitable extinguishing media**  
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- 5.2 Extinguishing media which must not be used for safety reasons**  
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- 5.3 Specific hazards**  
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**6. ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal precautions**  
Avoid skin and eye contact with the product.
- 6.2 Environmental precautions**  
Large amounts of the product are not allowed to enter drains or water courses.
- 6.3 Methods for cleaning up**  
Small amounts of the product can be rinsed out with a plenty of water.

**7. HANDLING AND STORAGE**

- 7.1 Handling**  
Avoid contact with skin and eyes.
- 7.2 Storage**  
Keep containers tightly closed. Store in a dry place. Do not allow to freeze.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- 8.1 Exposure Limit Values**
- 8.1.1 Occupational exposure limit values**
- |                 |                           |
|-----------------|---------------------------|
| Phosphoric acid | 1 mg/m <sup>3</sup> (8 h) |
| Oxalic acid     | 1 mg/m <sup>3</sup> (8 h) |
| Isopropanol     | 200 ppm (8 h)             |
| Ethanol         | 1000 ppm (8 h)            |
- 8.1.2 Information on limit values**  
TLV-TWA = Threshold Limit Values - Time-weighted average / ACGIH 2007
- 8.2 Exposure controls**
- 8.2.1 Occupational exposure controls**  
Provide adequate ventilation. Comply with the health and safety at work laws.

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**8.2.1.1 Respiratory protection**

If ventilation is not sufficient, use respiratory protection with gas, vapour and dust filter AP.

**8.2.1.2 Hand protection**

Always wear approved protective gloves (e.g. nitrile rubber) against chemicals. Barrier creams may also help to protect the exposed areas of the skin.

**8.2.1.3 Eye protection**

Safety eyewear must be used.

**8.2.1.4 Skin and body protection**

Protective clothing must be used.

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

Slightly blue liquid, scented.

**9.2 Important Health Safety and Environmental Information**

<b>9.2.1</b>	<b>pH</b>	pH about 1,2. pH in diluted (1%) solution about 2,5.
<b>9.2.2</b>	<b>Boiling point/range</b>	-
<b>9.2.3</b>	<b>Flash point</b>	-
<b>9.2.5</b>	<b>Explosive properties</b>	-
<b>9.2.5.1</b>	<b>Lower explosion limit</b>	-
<b>9.2.5.2</b>	<b>Upper explosion limit</b>	-
<b>9.2.7</b>	<b>Vapour pressure</b>	-
<b>9.2.8</b>	<b>Relative density</b>	1,03
<b>9.2.9</b>	<b>Solubility</b>	-
<b>9.2.9.1</b>	<b>Water solubility</b>	Soluble

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

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**10.2 Materials to avoid**

A long-term contact with an undiluted product may corrode some metals or e.g. tile joints.  
Do not use together with chlorine-containing products.

**10.3 Hazardous decomposition products**

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**11. TOXICOLOGICAL INFORMATION****11.1 Acute toxicity**

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**11.2 Primary irritation**

Causes severe burns.

**11.3 Sensitisation**

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**11.5 Human experience**

11.5.1 Inhalation:

Exposure to the vapour may cause irritation of respiratory system and mucous membranes of nose and throat.

11.5.2 Skin contact: Splashes are strongly irritating and may cause burns. Contact with the eyes may cause burns. Repeated or prolonged contact with the preparation, even with diluted solution, may cause contact dermatitis. The degree of irritation depends on the time of exposure and concentration of the mixture.

11.5.3 Other effects:

Harmful if taken internally. May cause nausea if swallowed.

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

Alcohol ethoxylate propoxylate: LC50(96h, fish): 6,7 mg/l, EC50(48h, Daphnia): 7,6 mg/l, LC50(72h, algae): 4-9 mg/l.

Isotridecanol ethoxylate: LC50 (96h, Leuciscus idus, fish) = 1-10 mg/l

Cocobenzyl dimethylammonium chloride: LC50(fish) = 2-3 mg/l, EC50 (48 h, Daphnia magna) = 0,05-0,06 mg/l.

**12.3 Persistence and degradability****12.3.1 Biodegradation**

Alcohol ethoxylate propoxylate: Readily biodegradable. > 60 % CO<sub>2</sub>, 28 d, Modified Sturm Test (OECD 301B).

Isotridecanol ethoxylate: Readily biodegradable. > 90 %, mod. OECD 303A, Bismuth Active Substance

method. > 60 % (28 d), OECD 301B; ISO 9439; 92/69/ETY, C.4-C.

Cocobenzyl dimethylammonium chloride: Biodegradability: > 90 %.

**12.6 Other adverse effects**

There is no data available on the preparation itself. Large amounts of undiluted product should not be allowed to enter drains or water courses.

**13. DISPOSAL CONSIDERATIONS**

13.1 Product residues: Gather residues into waste containers. Destroy according to the rules given by local authorities. EWC-code for liquid waste is e.g 08 01 11 (waste paint and varnish containing organic solvents or other dangerous substances).

13.2 Packaging: Empty cans should be recycled or disposed of in accordance with local regulations.

**14. TRANSPORT INFORMATION**

<b>14.1</b>	<b>UN No</b>	3264
<b>14.2</b>	<b>Packing group</b>	III
<b>14.3</b>	<b>Land transport</b>	
<b>14.3.1</b>	<b>ADR/RID Class</b>	8
<b>14.3.3</b>	<b>Description of the goods</b>	corrosive liquid, acidic, inorganic, N.O.S. (phosphoric acid)
<b>14.4</b>	<b>Sea transport</b>	
<b>14.4.1</b>	<b>IMDG Class</b>	8
<b>14.4.2</b>	<b>Proper shipping name</b>	corrosive liquid, acidic, inorganic, N.O.S. (phosphoric acid)
<b>14.4.3</b>	<b>Further Information</b>	EmS: F-A,S-B
<b>14.5</b>	<b>Air transport</b>	
<b>14.5.1</b>	<b>ICAO/IATA Class</b>	8
<b>14.5.2</b>	<b>Proper shipping name</b>	corrosive liquid, acidic, inorganic, N.O.S. (phosphoric acid)

**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 < 5 %

**15.1.3 R-phrase(s)**

R35 Causes severe burns.

**15.1.4 S-phrase(s)**

S1/2 Keep locked up and out of the reach of children.

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S23D	Do not breathe vapour.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S27	Take off immediately all contaminated clothing.
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 the label where possible).
S51	Use only in well-ventilated areas.

**15.1.5 Special regulations on certain preparations**

Contains &lt; 5 % non-ionic surfactants, &lt; 5 % cationic surfactants and &lt; 5 % perfumes.

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

R50	Very toxic to aquatic organisms.
R35	Causes severe burns.
R11	Highly flammable.
R21/22	Harmful in contact with skin and if swallowed.
R22	Harmful if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R41	Risk of serious damage to eyes.
R67	Vapours may cause drowsiness and dizziness.

**16.4 Additional information**

The information of this MSDS is based on the present state of our knowledge and on current EC laws. It is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the products' properties.

Additional information available from: Tikkurila Oy, Product Safety, P.O. Box 53, FIN-01301 VANTAA, FINLAND, Telephone +358 9 857 71, Fax +358 9 8577 6936, E-mail: productsafety@tikkurila.com

**Signature**

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