

**TIKKURILAN HUOLTOPESU cleaning agent**

Date 30.5.2008

Previous date: 11.10.2005

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

TIKKURILAN HUOLTOPESU cleaning agent

**1.1.2 Product code**

001 6606

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

Painting work.

Description: Cleaning agent for painted surfaces for interior and exterior use.

**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**

The product is not classified as dangerous.

**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**

64-17-5

200-578-6

Ethanol

1 - 5 %

F; R11

68891-38-3

500-234-8

Sodiumlauryl ethersulphate

1 - 5 %

Xi; R36/38

68439-50-9

500-213-3

Fatty alcohol ethoxylate

5 - 10 %

Xi; R36/38

61791-31-9

263-163-9

Cocodiethanolamide

1 - 2,5 %

Xi; R36/38

7320-34-5

230-785-7

Tetrapotassiumpyrophosphate

1 - 5 %

Xi; R36

67-63-0

200-661-7

Isopropanol

1 - 2,5 %

F, Xi; R11-36-67

**3.1.7 Further information**

Contains &lt; 5 % anionic surfactants, 5 - 15 % non-ionic surfactants and &lt; 5 % phosphates.

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

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**4.2 Inhalation**

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**4.3 Skin contact**

Wash skin thoroughly with soap and 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, drink water or milk. Obtain medical attention, when necessary.

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

Use foam, CO<sub>2</sub>, powder or water spray.

**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**

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**6.2 Environmental precautions**

Large amounts of undiluted product is not allowed to enter drains or water courses.

**6.3 Methods for cleaning up**

Contain and collect spillage with absorbent materials, e.g. sand or vermiculite and place in a container for disposal according to local regulations. Clean with a detergent and water.

**7. HANDLING AND STORAGE****7.1 Handling**

Avoid skin and eye contact. Avoid the breathing of spray mist.

**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**

Ethanol 1000 ppm (8 h)

Isopropanol 200 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.

**8.2.1.1 Respiratory protection**

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

**8.2.1.2 Hand protection**

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

**8.2.1.3 Eye protection**

Use safety eyewear designed to protect against splashes of liquids.

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- 8.2.1.4 Skin and body protection**  
Use suitable protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- 9.1 General Information (appearance, odour)**  
Colourless liquid, weak odour.
- 9.2 Important Health Safety and Environmental Information**
- 9.2.1 pH** about 11
- 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** 1,0
- 9.2.9 Solubility**
- 9.2.9.1 Water solubility** soluble

**10. STABILITY AND REACTIVITY**

- 10.1 Conditions to avoid**  
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- 10.2 Materials to avoid**  
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- 10.3 Hazardous decomposition products**  
Hazardous decomposition products may produce, when exposed to high temperatures.

**11. TOXICOLOGICAL INFORMATION**

- 11.1 Acute toxicity**  
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- 11.2 Primary irritation**  
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- 11.3 Sensitisation**  
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- 11.5 Human experience**
- 11.5.1 Inhalation:  
Long term exposure may cause irritation of respiratory system.
- 11.5.2 Skin contact:  
Repeated or prolonged contact with the preparation may cause removal of the natural fat from the skin resulting in contact dermatitis. Splashes in the eyes cause irritation.
- 11.5.3 Other effects: ---

**12. ECOLOGICAL INFORMATION**

- 12.1 Ecotoxicity**
- 12.1.1 Aquatic toxicity**  
Fatty alcohol ethoxylate: LC50 (96h, brachydanio rerio) = 1,5 mg/l , EC50 (96 h, daphnia magna) = 1,5 mg, EC50 (72 h, algae) = 3,8 mg/l  
Coco dietahanol amide: LC50 (96h, fish) = 4,9 mg/l , EC50 (48 h, daphnia) = 3,2 mg, EC50 (72 h, alger) = 5,6 mg/l  
Sodium lauryl ether sulphate: LC50 (96h, fish) > 1 mg/l

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

Fatty alcohol ethoxylate: 100 %, OECD 301A. Anaerobic degradability 80 % (ECETOC Technical report nr 28).

Coco diethanol amide: MBAS Screening test 95-100 %. BOD 4,05 mg O<sub>2</sub>/mg kol, BOD 2,64 mg/mg material, DOC 85 %, TOD 76 %, OECD 301D. Readily biodegradable.

Sodium lauryl ether sulphate: Readily biodegradable.

**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 or 08 01 12 (waste paint and varnish).

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>           | -              |
| <b>14.2</b>   | <b>Packing group</b>   | -              |
| <b>14.3</b>   | <b>Land transport</b>  |                |
| <b>14.3.1</b> | <b>ADR/RID Class</b>   | not classified |
| <b>14.4</b>   | <b>Sea transport</b>   |                |
| <b>14.4.1</b> | <b>IMDG Class</b>      | not classified |
| <b>14.5</b>   | <b>Air transport</b>   |                |
| <b>14.5.1</b> | <b>ICAO/IATA Class</b> | not classified |

**15. REGULATORY INFORMATION**

|               |  |  |
|---------------|--|--|
| <b>15.1</b>   | <b>Information on the warning label</b>  |  |
| <b>15.1.1</b> | <b>Letter code of the warning symbol and indications of danger for the preparation</b> | -  |
| <b>15.1.2</b> | <b>Names of the ingredients given on the warning label</b>                             | -  |
| <b>15.1.3</b> | <b>R-phrase(s)</b>   | -  |
| <b>15.1.4</b> | <b>S-phrase(s)</b>   | S37                      Wear suitable gloves.   |
| <b>15.1.5</b> | <b>Special regulations on certain preparations</b>                                     | Contains < 5 % anionic surfactants, 5 - 15 % non-ionic surfactants and < 5 % phosphates. |

**16. OTHER INFORMATION**

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|-------------|--|---|
| <b>16.1</b> | <b>Full text of R-phrases referred to under sections 2 and 3</b>   |   |
|             | R11  | Highly flammable.                           |
|             | R36  | Irritating to eyes.                         |
|             | R36/38   | Irritating to eyes and skin.                |
|             | R67  | Vapours may cause drowsiness and dizziness. |
| <b>16.4</b> | <b>Additional information</b>  |   |
|             | 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  |   |
|             | <b>Signature</b>   | gf/akk                                      |