

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 Classification****3.1.4**

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 < 5 % anionic surfactants, 5 - 15 % non-ionic surfactants and < 5 % phosphates.

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

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, CO₂, powder or water spray.

5.2 Extinguishing media which must not be used for safety reasons

5.3 Specific hazards

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

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**

- 10.2 Materials to avoid**

- 10.3 Hazardous decomposition products**
Hazardous decomposition products may produce, when exposed to high temperatures.

11. TOXICOLOGICAL INFORMATION

- 11.1 Acute toxicity**

- 11.2 Primary irritation**

- 11.3 Sensitisation**

- 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 O₂/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

14.1	UN No	-
14.2	Packing group	-
14.3	Land transport	
14.3.1	ADR/RID Class	not classified
14.4	Sea transport	
14.4.1	IMDG Class	not classified
14.5	Air transport	
14.5.1	ICAO/IATA Class	not classified

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	-
15.1.2	Names of the ingredients given on the warning label	-
15.1.3	R-phrase(s)	-
15.1.4	S-phrase(s)	S37 Wear suitable gloves.
15.1.5	Special regulations on certain preparations	Contains < 5 % anionic surfactants, 5 - 15 % non-ionic surfactants and < 5 % phosphates.

16. OTHER INFORMATION

16.1	Full text of R-phrases referred to under sections 2 and 3	
	R11	Highly flammable.
	R36	Irritating to eyes.
	R36/38	Irritating to eyes and skin.
	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	gf/akk