

PENSSELIPESU (tool cleaner)

Date 19.9.2011

Previous date: 24.11.2010

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier****1.1.1 Commercial Product Name**
PENSSELIPESU (tool cleaner)**1.1.2 Product code**

001 6607

1.2 Relevant identified uses of the substance or mixture and uses advised against**1.2.1 Recommended use**

Painting work.

Description: An effective detergent for cleaning of tools used for applying water- or alkyd-borne paints.

1.3 Details of the supplier of the safety data sheet**1.3.1 Supplier**

Tikkurila Oyj

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

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

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

2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****67/548/EEC - 1999/45/EC**

Xi; R41

2.2 Label elements**67/548/EEC - 1999/45/EC**

Xi Irritant

R-phrases(s)

R41 Risk of serious damage to eyes.

S-phrases(s)

S2 Keep out of the reach of children.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39 Wear eye/face protection.

S46 If swallowed, seek medical advice immediately and show this container or label.

Contains:

Alcohol ethoxylate.

Special regulations on certain preparations

Contains 15 - 30 % non-ionic surfactants and < 5 % phosphates.

2.3 Other hazards

Other hazards are not known.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures****Hazardous components**

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CAS number	EINECS	Chemical name of the substance	Concentration	Classification
68439-46-3	-	Alcohol ethoxylate	5 - 15 %	Xi; R41
34398-01-1	500-084-3	Alcohol ethoxylate	1 - 5 %	Xi; R41
34398-01-1	500-084-3	Alcohol ethoxylate	1 - 5 %	Xn; R22-41
7320-34-5	230-785-7	Tetrapotassium pyrophosphate	1 - 5 %	Xi; R36
122-99-6	204-589-7	2-Phenoxyethanol	1 - 5 %	Xn; R22-36

3.3 Other information

See Section 16 for full text of R-phrases and H-statements.

4. FIRST AID MEASURES**4.1 Description of first aid measures**

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.2 Inhalation

Remove to fresh air.

4.1.3 Skin contact

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use solvents or thinners.

4.1.4 Eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 20 minutes and seek immediate medical advice.

4.1.5 Ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious). Obtain medical attention, when necessary.

4.2 Most important symptoms and effects, both acute and delayed

Risk of serious damage to eyes.

4.3 Indication of immediate medical attention and special treatment needed

None.

5. FIREFIGHTING MEASURES**5.1 Extinguishing media****5.1.1 Suitable extinguishing media**The product is water based and is not flammable. If necessary, use alcohol resistant foam, CO₂, powders or water spray/mist.**5.1.2 Extinguishing media which must not be used for safety reasons**

None known.

5.2 Special hazards arising from the substance or mixture

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.

5.3 Advice for firefighters

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Do not allow to enter drains or water courses.

6.3 Methods and materials for containment and cleaning up

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Contain and collect spillage with absorbent materials, e.g. sand or vermiculite and place in a container for disposal according to local regulations. Clean preferably with water or detergent; avoid the use of solvents.

6.4 Reference to other sections

See also Section 13 for waste disposal instructions.

7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Avoid inhalation of dust from sanding. Smoking, eating and drinking should be prohibited in application area.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated place. Keep away from oxidising agents, from strongly alkaline and strongly acid materials. No smoking. Keep container tightly closed. Do not allow to freeze.

7.3 Specific end use(s)

None.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

The product does not contain reportable concentrations of substances with the exposure limit values (Occupational Exposure Limit Values according to EU Directives and Threshold Limit Values according to ACGIH 2009).

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

Provide adequate ventilation.

8.2.2 Individual protection measures**8.2.2.1 Respiratory protection**

If ventilation is insufficient, use appropriate certified respirators with gas, vapour and dust filter AP.

8.2.2.2 Hand protection

Always wear protective gloves.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Gloves should be replaced regularly. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Recommended protective glove type is e.g.: nitrile rubber (breakthrough time > 480 min.)

PVA gloves are not recommended.

8.2.2.3 Eye/face protection

Wear eye/face protection.

8.2.2.4 Skin protection

Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Important Health Safety and Environmental Information****9.1.1 Appearance**

Colourless liquid, mild odour

9.1.4 pH about 10

9.1.7 Flash point -

9.1.10 Explosive properties

9.1.10.1 Lower explosion limit -

9.1.10.2 Upper explosion limit -

9.1.11 Vapour pressure -

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9.1.13	Relative density	about 1,0
9.1.14	Solubility(ies)	
9.1.14.1	Water solubility	Soluble
9.2	Other information	None.

10. STABILITY AND REACTIVITY

10.1	Reactivity	See section 10.5.
10.2	Chemical stability	Stable under recommended storage and handling conditions (see section 7).
10.3	Possibility of hazardous reactions	See section 10.5.
10.4	Conditions to avoid	When exposed to high temperatures may produce hazardous decomposition products.
10.5	Incompatible materials	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
10.6	Hazardous decomposition products	Hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc. may produce when exposed to high temperatures.

11. TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	There are no toxicological test data available on the product itself.
11.1.2	Irritation and corrosion	Contains alcohol ethoxylates. Risk of serious damage to eyes.
11.1.8	Other information on acute toxicity	Inhalation: Long term exposure to spray mist may cause irritation of respiratory system. Skin contact: Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis. The liquid splashed in the eyes may cause irritation. Ingestion: Ingestion may cause nausea.

12. ECOLOGICAL INFORMATION

12.1	Toxicity	
12.1.1	Aquatic toxicity	Alcohol ethoxylate (CAS 34398-01-1): LC50(96h, fish): 1-10 mg/l, EC50(48h, Daphnia): 1- 10 mg/l, IC50(72h, algae): 1-10 mg/l. 2-Phenoxyethanol: LC50(96h, fish): > 100 mg/l, EC50(48h, daphnia): > 100 mg/l, IC50(72h, algae): > 100 mg/l. Alcohol ethoxylate (CAS 68439-46-3): LC50(96h, fish): 23,7 mg/l, EC50(48h, daphnia): 5,3-12 mg/l. Tetrapotassium pyrophosphate: LC50(96h, fish): > 100 mg/l, EC50(48h, daphnia magna): > 100 mg/l.
12.2	Persistence and degradability	
12.2.1	Biodegradation	Alcohol ethoxylate (CAS 34398-01-1): > 60 %, OECD 301F, readily biodegradable. 2-Phenoxyethanol: > 70 %, OECD 301A, readily biodegradable. Alcohol ethoxylate (CAS 68439-46-3): 70 %, readily biodegradable. Tetrapotassium pyrophosphate: Is not applicable to inorganic compounds.
12.3	Bioaccumulative potential	No relevant data.

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- 12.4 Mobility in soil**
No data available.
- 12.5 Results of PBT and vPvB assessment**
Product and its compounds are not expected to be PBT and / or vPvB.
- 12.6 Other adverse effects**
The product is not classified as environmentally hazardous.
There is no ecotoxicological test data available on the product itself. The product should not be allowed to enter drains or water courses.
Tetrapotassium pyrophosphate: Changes slowly to tetrapotassium orthophosphate. Orthophosphate is a nutrient substance, which can contribute to eutrophication of waterways.

13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods**
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).
Packaging waste:
Empty cans should be recycled or disposed of in accordance with local regulations.

14. TRANSPORT INFORMATION

- 14.1 UN number** None
- 14.2 UN proper shipping name** None
- 14.3 Transport hazard class(es)** Not classified
- 14.4 Packing group** None
- 14.5 Environmental hazards**
The product is not classified as environmentally hazardous according to international transport regulations.
- 14.6 Special precautions for users**
None known.
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
None known.

15. REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents.
- 15.2 Chemical safety assessment**
Has not been performed.

16. OTHER INFORMATION

- 16.5 Full text of R-phrases and/or Hazard statements (H-statements) referred to under sections 2 and 3**
R22 Harmful if swallowed.
R36 Irritating to eyes.
R41 Risk of serious damage to eyes.
- 16.8 Additional information**

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This Safety Data Sheet is prepared in accordance with Annex II (EU) No 453/2010 to Regulation (EC) No 1907/2006 (REACH).

The information contained in this Safety Data Sheet is based on the present state of knowledge and current EU and national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Additional information available from:

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