

MAALIPESU (Cleaning Agent)

Date 15.9.2011

Previous date: 7.2.2008

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

- 1.1 Product identifier**
- 1.1.1 Commercial Product Name**
MAALIPESU (Cleaning Agent)
- 1.1.2 Product code**
006 1901
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
- 1.2.1 Recommended use**
Painting work.
Description: An alkaline cleaning detergent
- 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
C; R35
- 2.2 Label elements**
67/548/EEC - 1999/45/EC
- C Corrosive
- R-phrases(s)**
R35 Causes severe burns.
- S-phrases(s)**
S1/2 Keep locked up and out of the reach of children.
S23 Do not breathe vapour/spray.
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.
- Contains:**
Potassium hydroxide.
- Special regulations on certain preparations**
Contains < 5 % anionic surfactants, < 5 % phosphates and 1,2-benzisothiazol-3(2H)-one.
- 2.3 Other hazards**
Other hazards are not known.



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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2	Mixtures				
	Hazardous components				
	CAS number	EINECS	Chemical name of the substance	Concentration	Classification
	1310-58-3	215-181-3	Potassium hydroxide	1 - 2 %	C; R22-35
	112-34-5	203-961-6	Butyl diglycol	25 - 50 %	Xi; R36
	10213-79-3	-	Sodium metasilicate	1 - 5 %	C; R34-37
	68891-38-3	500-234-8	Sodium lauryl ether sulfate	< 1 %	Xi; R36/38
	68915-31-1	272-808-3	Polyphosphoric acids, sodium salts	< 1 %	-
	2634-33-5	220-120-9	1,2-Benzisothiazol-3(2H)-one	< 0,01 %	Xn, N; R22-38-41-43-50
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, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Seek medical attention.
- 4.1.3 Skin contact**
Remove contaminated clothing. 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. Continue flushing during transportation to hospital.
- 4.1.5 Ingestion**
If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
- 4.2 Most important symptoms and effects, both acute and delayed**
Causes severe burns.
- 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**
Do not use strong water jets.
- 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.

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6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**
Avoid skin and eye contact with the product. Refer to protective measures listed in sections 7 and 8.
- 6.2 Environmental precautions**
Undiluted product is not allowed to enter drains or water courses.
- 6.3 Methods and materials for containment and cleaning up**
Contain and collect spillage with non-combustible absorbent materials, e.g. sand or vermiculite and place in a container for disposal according to local regulations. Clean preferably with a 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. 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**
- 8.1.1 Occupational exposure limit values**
- | | | |
|-----------------------------|------------------------------|-----------------|
| Potassium hydroxide (TLV-C) | 2 mg/m ³ (15 min) | |
| Butyl diglycol (EU) | 10 ppm (8 h) | 15 ppm (15 min) |
- 8.1.2 Other information on limit values**
TLV-C = Threshold Limit Values - Ceiling limit according to ACGIH 2009 (American Conference of Governmental Industrial Hygienists)
EU = Occupational Exposure Limit Values according to EU Directives 1998/24/EC, 2000/39/EC, 2006/15/EC, 2009/161/EU.
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls**
Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.
- 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 approved protective gloves against chemicals.
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 (splash protection),
butyl rubber (splash protection),
laminated foil (breakthrough time > 480 min.)
PVA, PVC or natural rubber gloves are not recommended.

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8.2.2.3 Eye/face protection

Wear eye/face protection.

8.2.2.4 Skin protection

Personnel should wear protective clothing.

When necessary, wear anti-static protective clothing made of natural fibre or of high temperature resistant synthetic fibre.

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

Viscous liquid

9.1.4 pH about 14**9.1.6 Initial boiling point and boiling range** -**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** -**9.1.13 Relative density** 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

Causes severe burns.

11.1.3 Sensitisation

The product is not classified as sensitizing by skin contact, but it contains small amounts of preservatives which may produce an allergic reaction: 1,2-benzisothiazol-3(2H)-one.

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11.1.8 Other information on acute toxicity

Inhalation: Long term exposure causes irritation of respiratory system and mucous membranes of nose and throat.

Skin contact: Splashes causes severe irritation. Repeated contact with the preparation causes removal of the natural fat from the skin resulting in contact dermatitis.

Ingestion: Ingestion may cause gastrointestinal tract burns.

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

Polyphosphoric acids, sodium salts: LC50(96h, fish: rainbow trout) > 1000 mg/l, EC50(48h, daphnia magna) = 485 mg/l.

12.2 Persistence and degradability**12.2.1 Biodegradation**

Sodium lauryl ether sulphate: Readily biodegradable.

Polyphosphoric acids, sodium salts: Is not applicable to inorganic compounds.

12.3 Bioaccumulative potential

No relevant data.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

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.

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 (waste paint and varnish containing organic solvents or other dangerous substances).

Packaging waste:

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

14. TRANSPORT INFORMATION**14.1 UN number**

1719

14.2 UN proper shipping name

caustic alkali liquid, N.O.S. (potassium hydroxide)

14.3 Transport hazard class(es)

8

14.4 Packing group

III

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.

14.8 Further Information

EmS: F-A,S-B

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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.
R34	Causes burns.
R35	Causes severe burns.
R36	Irritating to eyes.
R36/38	Irritating to eyes and skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.
R50	Very toxic to aquatic organisms.

16.8 Additional information

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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