

**HOMEENPOISTO (Mould Removal)**

Date 23.7.2010

Previous date: 3.6.2008

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

**1.1.1 Commercial Product Name**  
HOMEENPOISTO (Mould Removal)

**1.1.2 Product code**  
006 1905

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

Painting work.

Description: A hypochlorite solution for the removal of mould etc.

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

Tikkurila Oyj

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

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

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

**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**

<b>3.1.1 CAS number</b>	<b>EINECS</b>	<b>3.1.2 Chemical name of the substance</b>	<b>3.1.3 Concentration</b>	<b>3.1.4 Classification</b>
1310-73-2	215-185-5	Sodium hydroxide	< 1 %	C; R35
7681-52-9	231-668-3	Sodium hypochlorite (active chlorine)	1 - 5 %	C; R31-34
3332-27-2	222-059-3	N,N-dimethyltetradecylamine N-oxide	1 - 5 %	Xi; R38-41
68891-38-3	500-234-8	Sodium lauryl ether sulfate	< 1 %	Xi; R36/38
1312-76-1	215-199-1	Potassium silicate	1 - 5 %	Xn; R22-38-41

**3.1.7 Further information**

Contains &lt; 5 % anionic surfactants, &lt; 5 % non-ionic surfactants and &lt; 5 % chlorine-based bleaching agents.

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

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

**HOMEENPOISTO (Mould Removal)**

Date 23.7.2010

Previous date: 3.6.2008

- 4.2 Inhalation**  
Remove to fresh air, keep patient warm and at rest.
- 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**  
Immediately 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**  
Undiluted product is not allowed to enter drains or water courses.
- 6.3 Methods for cleaning up**  
Clean with a plenty of water.

**7. HANDLING AND STORAGE**

- 7.1 Handling**  
Avoid contact with skin and eyes. Do not mix the product with other detergents. Pressure may build up in the can. Open the container carefully.
- 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**  
Sodium hydroxide                      2 mg/m<sup>3</sup> (15 min)
- 8.1.2 Information on limit values**  
TLV-C = Threshold Limit Values - Ceiling limit / ACGIH 2009
- 8.2 Exposure controls**
- 8.2.1 Occupational exposure controls**  
During spray-application 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 (combination 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**  
Safety eyewear must be used during spray-application and against splashes.

**HOMEENPOISTO (Mould Removal)**

Date 23.7.2010

Previous date: 3.6.2008

- 8.2.1.4 Skin and body protection**  
Protective clothing must be used.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- 9.1 General Information (appearance, odour)**  
Yellowish liquid, chlorine-like odour
- 9.2 Important Health Safety and Environmental Information**
- |                |                              |            |
|----------------|------------------------------|------------|
| <b>9.2.1</b>   | <b>pH</b>                    | about 12,9 |
| <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>      | 1,1        |
| <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**  
Reacts with acids releasing toxic chlorine gases. Do not mix the product with other detergents.
- 10.3 Hazardous decomposition products**  
Reacts with acids releasing toxic chlorine gases. 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**  
The pH of the product is high, about 12,9. Strongly irritating to the skin, eyes and respiratory system. May cause burns.
- 11.3 Sensitisation**  
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- 11.5 Human experience**
- 11.5.1 Inhalation: Exposure to spray mist or vapour irritates respiratory system and mucous membranes of the nose and throat.
- 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 severe irritation.
- 11.5.3 Other effects: May cause burns in mouth and throat if swallowed. May cause nausea, vomiting and stomach cramps.

**12. ECOLOGICAL INFORMATION**

- 12.1 Ecotoxicity**
- 12.1.1 Aquatic toxicity**  
Sodium lauryl ether sulphate: LC50 (96h, fish) > 1 mg/l
- 12.3 Persistence and degradability**
- 12.3.1 Biodegradation**

**HOMEENPOISTO (Mould Removal)**

Date 23.7.2010

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N,N-dimethyl-1-tetradecylamine N-oxide: readily biodegradable  
Sodium lauryl ether sulphate: Readily biodegradable.

**12.6 Other adverse effects**

There is no data available on the preparation itself. The 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>	1791
<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>	hypochlorite solution
<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>	hypochlorite solution
	<b>Marine pollutant</b>	no
<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>	hypochlorite solution

**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>	
	C	Corrosive
<b>15.1.2</b>	<b>Names of the ingredients given on the warning label</b>	
	Sodium hydroxide	
	Sodium hypochlorite (active chlorine)	
<b>15.1.3</b>	<b>R-phrase(s)</b>	
	R35	Causes severe burns.
<b>15.1.4</b>	<b>S-phrase(s)</b>	
	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.
<b>15.1.5</b>	<b>Special regulations on certain preparations</b>	
	Warning! Do not use together with other products. May release dangerous gases (chlorine).	
	Contains < 5 % anionic surfactants, < 5 % non-ionic surfactants and < 5 % chlorine-based bleaching agents.	

**HOMEENPOISTO (Mould Removal)**

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

R22	Harmful if swallowed.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R35	Causes severe burns.
R31	Contact with acids liberates toxic gas.
R34	Causes burns.
R36/38	Irritating to eyes and skin.

**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 Oyj, 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](mailto:productsafety@tikkurila.com)

**Signature**

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