



SAFETY DATA SHEET

HOMEENPOISTO

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : HOMEENPOISTO
Product code : 0061905
Product description : Hypochlorite solution for removing mould.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Painting work

1.3 Details of the supplier of the safety data sheet

Manufacturer

Tikkurila Oyj
P.O. Box 53
FI-01301 VANTAA
FINLAND
Telephone +358 20 191 2000

e-mail address of person responsible for this SDS : Tikkurila Oyj,
Product Safety,
e-mail: productsafety@tikkurila.com

1.4 Emergency telephone number

Telephone number : 112
(24h)

Supplier or Manufacturer

Telephone number : Tikkurila Oyj
+358 20 191 2000
(Mon-Fri 8-16 Finnish time)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Corr. 1, H314
Aquatic Acute 1, H400

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Classification according to Directive 1999/45/EC [DPD]

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : C; R35

Human health hazards : Causes severe burns.

2.2 Label elements

Hazard pictograms :



Signal word	: Danger
Hazard statements	: H314 - Causes severe skin burns and eye damage. H400 - Very toxic to aquatic life.
Precautionary statements	
General	: P102 - Keep out of reach of children. P101 - If medical advice is needed, have product container or label at hand.
Prevention	: P261 - Avoid breathing vapor. P280 - Wear protective gloves/clothing and eye/face protection. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment.
Response	: P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P302 + P361 + P353 - IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water or shower. P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P310 - Immediately call a POISON CENTER or doctor/physician.
Storage	: Not applicable.
Disposal	: Not applicable.
Hazardous ingredients	: sodium hypochlorite solution Cl active sodium hydroxide
Supplemental label elements	: Warning! Do not use together with other products. May release dangerous gases (chlorine).
EU Detergents Regulation	
	: less than 5%: chlorine-based bleaching agents, non-ionic surfactants, anionic surfactants.

2.3 Other hazards

Other hazards which do not result in classification : None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	%	Classification		Notes
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
sodium hypochlorite solution Cl active	REACH #: 01-2119488154-34 EC: 231-668-3 CAS: 7681-52-9 Index: 017-011-00-1	>=1 - <5	C; R34 R31 N; R50	Met. Corr. 1, H290 Skin Corr. 1B, H314 Aquatic Acute 1, H400	B
N,N-dimethyltetradecylamine N-oxide	REACH #: 01-2119949262-37 EC: 222-059-3 CAS: 3332-27-2	>=1 - <5	Xi; R41, R38	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318	-
silicic acid, potassium salt	REACH #: 01-2119456888-17 EC: 215-199-1 CAS: 1312-76-1	>=1 - <5	Xi; R41, R37/38	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 (Respiratory tract irritation)	-
sodium hydroxide	REACH #: 01-2119457892-27 EC: 215-185-5 CAS: 1310-73-2 Index: 011-002-00-6	>=0,5 - <2	C; R35	Skin Corr. 1A, H314	-
			See Section 16 for the full text of the R-phrases declared above.	See Section 16 for the full text of the H statements declared above.	

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Notes, if applicable, refer to Notes given in Annex VI of 1272/2008/EC.

Ingredient name	INCI Name	CAS #	Class of constituent	Concentration
sodium hypochlorite solution Cl active		7681-52-9	chlorine-based bleaching agents	less than 5%
N,N-dimethyltetradecylamine N-oxide	MYRISTAMINE OXIDE	3332-27-2	non-ionic surfactants	less than 5%
Phosphonic acid salt		-	anionic surfactants	less than 5%
Alcohols, C10-16, ethoxylated, sulfates, sodium salts		68891-38-3	anionic surfactants	less than 5%

SECTION 4: First aid measures

4.1 Description of first aid measures

- General** : In all cases of doubt, or when symptoms persist, seek medical attention. Show this safety data sheet or label to the doctor if possible.
- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with plenty of lukewarm water, keeping eyelids open. Continue to rinse for at least 20 minutes. Get medical attention immediately. Continue rinsing until medical attention can be obtained.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. In case of chemical burns, get medical attention as soon as possible.
- Ingestion** : If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Remove to fresh air and keep at rest in a position comfortable for breathing. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Causes severe skin burns and eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

None.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire. Recommended: Alcohol resistant foam, CO₂, powders or water spray/mist.
- Unsuitable extinguishing media** : Do not use a direct water jet that could spread the fire.

5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : This product is not classified as flammable. Fire will create toxic chlorine gas, which may cause a health hazard.
- Hazardous thermal decomposition products** : When exposed to high temperatures, may produce hazardous decomposition products, such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.

5.3 Advice for firefighters

- Special protective actions for fire-fighters** : Use water spray to keep fire-exposed containers cool. This material is hazardous to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures** : Do not get in eyes or on skin. Do not breathe vapor or mist. Provide adequate ventilation. Put on appropriate personal protective equipment (see Section 8).
- 6.2 Environmental precautions** : Hazardous to aquatic environment. Undiluted product is not allowed to enter drains or watercourses.
- 6.3 Methods and materials for containment and cleaning up** : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Preferably clean with water or detergent. Avoid using solvents.
- 6.4 Reference to other sections** : See Section 1 for emergency contact information.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling** : Do not get in eyes or on skin. Do not breathe vapor or spraymist. Do not breathe dust from sanding. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. See Section 8 for information on appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled and stored. Wash hands before breaks and immediately after handling the product. Avoid release to the environment.

Do not mix with other detergents. Pressure may build up in the can. Handle and open container with care.
- 7.2 Conditions for safe storage, including any incompatibilities** : Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. No smoking. Keep container tightly closed. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature is +5°C ...+25°C. Do not allow to freeze. Store in accordance with local regulations.
- 7.3 Specific end use(s)** : None.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available.

8.2 Exposure controls

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 vapors below the OEL, suitable respiratory protection must be worn (see Personal protection). Provide a readily-accessible eyewash facility. Comply with the health and safety at work laws.

Individual protection measures

- Eye/face protection** : Wear eye/face protection (EN166).
- Hand protection** : Always wear approved protective gloves against chemicals. Gloves should be replaced regularly and if there is any sign of damage to the glove material. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Recommended: PVC, Rubber gloves.
- Skin protection** : Personnel should wear protective clothing.
- Respiratory protection** : If ventilation during spray-application is inadequate, use respirators with combination filter AP, gas/dust filter (EN405:2001).

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

- Physical state** : Liquid.
- Color** : Yellowish.
- Odor** : chlorine odor
- Odor threshold** : Not relevant for the hazard assessment of the product.
- pH** : 13
- Melting point/freezing point** : 0°C (water)
- Initial boiling point and boiling range** : 100°C (water)
- Flash point** : > 100 °C
- Evaporation rate** : Not relevant due to the nature of the product.
- Flammability (solid, gas)** : Not applicable. Product is a liquid.
- Upper/lower flammability or explosive limits** : Not relevant due to the nature of the product.
- Vapor pressure** : 3,2 kPa [room temperature] (water)
- Vapor density** : Not relevant for the hazard assessment of the product.
- Density** : 1,1 g/cm³
- Solubility(ies)** : Soluble in water.
- Partition coefficient: n-octanol/ water** : Not available.
- Auto-ignition temperature** : Not relevant due to the nature of the product.
- Decomposition temperature** : Not relevant for the hazard assessment of the product.
- Viscosity** : Not relevant for the hazard assessment of the product.
- Explosive properties** : No explosive ingredients present.
- Oxidizing properties** : No oxidizing ingredients present.

9.2 Other information

No additional information.

SECTION 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** : Reacts with acids releasing toxic chlorine gas.

10.4 Conditions to avoid : Avoid extreme heat and freezing.

10.5 Incompatible materials : Keep away from the following materials to prevent strong exothermic reactions:
acids

10.6 Hazardous decomposition products : When exposed to high temperatures, hazardous decomposition products may be produced, such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

There is no testdata available on the product itself.

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Long term exposure causes irritation of respiratory system and mucous membranes of nose and throat. Prolonged contact can cause severe irritation or even burns.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
sodium hypochlorite solution Cl active	LD50 Dermal	Rabbit	>20000 mg/kg	-

Not classified.

Irritation/Corrosion

Causes severe skin burns and eye damage.

Sensitization

Not classified.

Mutagenicity

Not classified.

Carcinogenicity

Not classified.

Reproductive toxicity

Not classified.

Teratogenicity

Not classified.

Specific target organ toxicity (single exposure)

Not classified.

Specific target organ toxicity (repeated exposure)

Not classified.

Aspiration hazard

Not classified.

SECTION 12: Ecological information

Ecological testing has not been conducted on this product.

Do not allow to enter drains, water courses or soil.

The product is classified as environmetally hazardous according to Regulation (EC) 1272/2008.

Very toxic to aquatic life.

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
sodium hypochlorite solution Cl active N,N-dimethyltetradecylamine N-oxide sodium hydroxide	EC50 0,141 mg/l	Daphnia	48 hours
	Acute LC50 59 µg/l Fresh water LC50 100 mg/l	Fish - Oncorhynchus mykiss Fish	96 hours 96 hours
	Acute EC50 40,38 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 196 mg/l Marine water	Fish - Poecilia reticulata - Young	96 hours

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
N,N-dimethyltetradecylamine N-oxide	OECD 303A	>99,8 % - Readily - 28 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
N,N-dimethyltetradecylamine N-oxide	-	-	Readily

Biodegradability report : Not available.

12.3 Bioaccumulative potential : No specific data.

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

12.6 Other adverse effects : Not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : Remove as much product as possible from the tools before cleaning. Liquid residue and cleaning liquids are hazardous waste and must not be emptied into drains or sewage system, but handled in accordance with national regulations. Product residues should be left at special companies which have permission for gathering this kind of wastes.

European waste catalogue (EWC)

Waste code	Waste designation
08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

Packaging

Methods of disposal : Empty packaging should be disposed of in accordance with national regulations.

Special precautions : No additional information.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number	UN1791	UN1791	UN1791
14.2 UN proper shipping name	HYPOCHLORITE SOLUTION	HYPOCHLORITE SOLUTION	Hypochlorite solution
14.3 Transport hazard class(es)	8	8	8
14.4 Packing group	III	III	III
14.5 Environmental hazards	Yes.	Yes.	No.
Additional information	<p><u>Hazard identification number</u> 80</p> <p><u>Special provisions</u> 521</p> <p><u>Tunnel code</u> (E)</p>	<p>The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.</p> <p><u>Emergency schedules (EmS)</u> F-A, S-B</p> <p><u>Special provisions</u> 223</p>	<p>The environmentally hazardous substance mark may appear if required by other transportation regulations.</p> <p><u>Passenger and Cargo Aircraft</u> Quantity limitation: 5 L Packaging instructions: 852</p> <p><u>Cargo Aircraft Only</u> Quantity limitation: 60 L Packaging instructions: 856</p> <p><u>Limited Quantities - Passenger Aircraft</u> Quantity limitation: 1 L Packaging instructions: Y841</p> <p><u>Special provisions</u> A3, A803</p>

14.6 Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Detergent Regulation (Regulation (EC) No. 648/2004)

EU Regulation (EC) No. 1907/2006 (REACH)

Other EU regulations

Europe inventory : Not determined.

**15.2 Chemical Safety
Assessment**

: This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

**Abbreviations and
acronyms**

: ATE = Acute Toxicity Estimate
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 DMEL = Derived Minimal Effect Level
 DNEL = Derived No Effect Level
 EUH statement = CLP-specific Hazard statement
 PBT = Persistent, Bioaccumulative and Toxic
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number
 vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**Classification****Justification**

Skin Corr. 1, H314
 Aquatic Acute 1, H400

On basis of test data
 Calculation method

**Full text of abbreviated H
statements**

: H290 May be corrosive to metals.
 H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H335 May cause respiratory irritation. (Respiratory tract irritation)
 (Respiratory tract irritation)
 H400 Very toxic to aquatic life.

**Full text of classifications
[CLP/GHS]**

: Acute Tox. 4, H302 ACUTE TOXICITY (oral) - Category 4
 Aquatic Acute 1, H400 AQUATIC HAZARD (ACUTE) - Category 1
 Eye Dam. 1, H318 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
 Met. Corr. 1, H290 CORROSIVE TO METALS - Category 1
 Skin Corr. 1, H314 SKIN CORROSION/IRRITATION - Category 1
 Skin Corr. 1A, H314 SKIN CORROSION/IRRITATION - Category 1A
 Skin Corr. 1B, H314 SKIN CORROSION/IRRITATION - Category 1B
 Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2
 STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
 (Respiratory tract irritation)

**Full text of abbreviated R
phrases**

: R34- Causes burns.
 R35- Causes severe burns.
 R41- Risk of serious damage to eyes.
 R38- Irritating to skin.
 R37/38- Irritating to respiratory system and skin.
 R31- Contact with acids liberates toxic gas.
 R50- Very toxic to aquatic organisms.

**Full text of classifications
[DSD/DPD]**

: C - Corrosive
 Xi - Irritant
 N - Dangerous for the environment

Date of issue/Date of revision	24.10.2014. Date of previous issue	No previous validation.	HOMEENPOISTO
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Version : 1

Notice to reader

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.