

HOMEENPOISTO -pesuainetabletit (MOULD REMOVAL tablets)

Date 15.1.2014

Previous date: -

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier****1.1.1 Commercial Product Name**

HOMEENPOISTO -pesuainetabletit (MOULD REMOVAL tablets)

1.1.2 Product code

006 6191

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

Painting work.

Description: Water-soluble tablets for wooden and masonry surfaces outside

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 20 191 2000

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 20 191 2000(Mon-Fri 8-16 Finnish time)

2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****1272/2008 (CLP)**

Eye Irrit. 2, H319

STOT SE 3, H335

Aquatic Chronic 1, H410

67/548/EEC - 1999/45/EC

Xn, N; R22-31-36/37-50/53

2.2 Label elements**1272/2008 (CLP)**

GHS09 - GHS07

Signal word

Warning**Hazard Statements**

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

P261A Avoid breathing mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P337+P313 If eye irritation persists: Get medical advice/attention.

P305+P351 IF IN EYES: Rinse cautiously with water for several minutes.

Contains:

Troclosene sodium.

Special regulations on certain preparations

Contact with acids liberates toxic gas.

Contains ≥ 30 % disinfectants.



HOMEENPOISTO -pesuainetabletit (MOULD REMOVAL tablets)

Date 15.1.2014

Previous date: -

- 2.3 Other hazards**
Other hazards are not known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures				
Hazardous components				
CAS/ REACH	EINECS	Chemical name of the substance	Concentration	Classification
2893-78-9	218-828-8	Troclosene sodium	50 - 75 %	O, Xn, N; R8-22-36/37-31-50/53 Ox. Sol. 2, H272 Acute Tox. 4 , H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
124-04-9	204-673-3	Adipic acid	20 - 25 %	Xi; R36 Eye Irrit. 2, H319

- 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 15 minutes and seek medical advice if necessary.
- 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**
May cause respiratory irritation. Causes serious eye irritation.
- 4.3 Indication of immediate medical attention and special treatment needed**
Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIREFIGHTING MEASURES

- 5.1 Extinguishing media**
- 5.1.1 Suitable extinguishing media**
Flood with copious amounts of water.
- 5.1.2 Extinguishing media which must not be used for safety reasons**
Do not use dry chemicals, carbon dioxide or halogenated extinguishers since there is potential for a violent reaction.
- 5.2 Special hazards arising from the substance or mixture**

HOMEENPOISTO -pesuainetabletit (MOULD REMOVAL tablets)

Date 15.1.2014

Previous date: -

The product is not classified as flammable.

Negligible fire hazard. If heated by outside source to temperatures above 240°C, this product will undergo decomposition with the evolution of noxious gases but no visible flame. Appropriate breathing apparatus may be required. Wet material may generate nitrogen trichloride, an explosion hazard. Thermal decomposition or combustion products: chlorine, nitrogen, nitrogen trichloride, cyanogens chloride, oxides of carbon, phosgene.

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.

Fire-fighters should wear full protective clothing and a self contained breathing apparatus. Using a 10% solution of sodium carbonate, thoroughly decontaminate fire-fighting equipment including all fire fighting wearing apparel after the incident.

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

Do not empty tablets and undiluted washing solution into drains, water systems and soil.

Prevent flow of material into water source and begin monitoring available chlorine and pH immediately.

6.3 Methods and materials for containment and cleaning up

Contain spilled material. Any spillage should be cleaned up as soon as possible. Do not add water to spilled material. Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean, dry containers for disposal. Do not close drums containing wet or damp material. Do not transport wet or damp material.

6.4 Reference to other sections

See also Section 13 for waste disposal instructions.

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

Do not get in eyes, on skin or on clothing. Avoid breathing airborne particulates; wear respiratory protection when exposure is possible

Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling. Wash contaminated clothing before use. Vapour space in a closed container may contain a slight amount of chlorine gas and compounds from decomposition of the product.

7.2 Conditions for safe storage, including any incompatibilities

Store in original container and in a cool dry area where temperatures do not exceed 25°C. Keep container tightly closed and store away from incompatible materials (see section 10). Contact with acid liberates toxic gases. Do not allow water to get into the container. Keep out of reach of children.

7.3 Specific end use(s)

Mix only with water. Use clean dry utensils. Do not mix this product with remnants of any other products. Such uses may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter or other chemicals may start a chemical reaction with generation of heat, liberation of hazardous gases, and possible generation of fire and explosion.

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.

HOMEENPOISTO -pesuainetabletit (MOULD REMOVAL tablets)

Date 15.1.2014

Previous date: -

8.2.2 Individual protection measures**8.2.2.1 Respiratory protection**

An approved respirator with EN140 (chlorine) cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. The added protection of a full face piece respirator is required when visible dusty conditions are encountered and eye irritation may occur.

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 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 protective glove type is e.g.: Butyl rubber, Natural rubber, Neoprene, Nitrile, Polyvinyl chloride (PVC), Tyvek®.

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**

Solid. White tablets.

9.1.2 Odour

Slight chlorine odour.

9.1.3 Odour threshold

Not available

9.1.4 pH

5-6

9.1.5 Melting point/freezing point

Not available

9.1.6 Initial boiling point and boiling range

Not applicable (solid)

9.1.7 Flash point

Not applicable (solid)

9.1.8 Evaporation rate

Not applicable (solid)

9.1.9 Flammability (solid, gas)

Non flammable

9.1.10 Explosive properties**9.1.10.1 Lower explosion limit**

Not available

9.1.10.2 Upper explosion limit

Not available

9.1.11 Vapour pressure

Not applicable

9.1.12 Vapour density

Not applicable

9.1.13 Relative density

1,2

9.1.14 Solubility(ies)**9.1.14.1 Water solubility**

soluble

9.1.15 Partition coefficient: n-octanol/water

log Kow = 0

9.1.16 Auto-ignition temperature

Not available

9.1.17 Decomposition temperature

225 - 250 °C

9.1.18 Viscosity

Not available

9.1.19 Explosive properties

Not available

9.1.20 Oxidising properties

Not available

9.2 Other information

None.

HOMEENPOISTO -pesuainetabletit (MOULD REMOVAL tablets)

Date 15.1.2014

Previous date: -

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

The preparation of concentrated solutions or slurries is not recommended. Avoid contact with water on concentrated material in the container. Also avoid contact with easily oxidisable organic material: ammonia, urea or similar nitrogen containing compounds; inorganic reducing compounds; calcium hypochlorite and alkalis.

Do not get water inside packaging.

10.5 Incompatible materials

Strong acids and/or alkalines. Reducing agents. The active ingredient in this preparation is a strong oxidising agent.

10.6 Hazardous decomposition products

Chlorine, nitrogen trichloride, cyanogen chloride, oxides of carbon, phosgene.

11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

There are no toxicological test data available on the product itself.

11.1.1 Acute toxicity

Trosclosene sodium: LD50 (oral, rat) = 1823 mg/kg.

11.1.2 Irritation and corrosion

Causes serious eye irritation. May cause respiratory irritation.

11.1.8 Other information on acute toxicity

Inhalation: Exposure to chlorine gas may result in adverse health effects such as mucous membrane and respiratory system irritation. Symptoms and signs include coughing, a choking sensation, substernal pain, vomiting, nausea, headache, dizziness and fainting.

Skin contact: Repeated or prolonged contact with the preparation causes removal of natural fat from the skin resulting in non-allergic contact dermatitis. The splash in the eyes may cause irritation.

Ingestion: Ingestion may cause nausea.

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

Trosclosene sodium: LC50(96h, rainbow trout) = 0,13-0,36 mg/l; EC50(48h, daphnia) = 0,196 mg/l.

12.2 Persistence and degradability**12.2.1 Biodegradation**

The materials used in this preparation will not persist in the environment. The free available chlorine from Sodium dichloroisocyanurate is rapidly consumed by reaction with organic and inorganic materials to produce chloride ion. The stable degradation products are chloride ion and cyanuric acid.

Trosclosene sodium is subject to hydrolysis. Cyanuric acid produced by hydrolysis is biodegradable.

12.3 Bioaccumulative potential

Trosclosene sodium hydrolyses in water liberating chlorine and cyanuric acid. These products are not bioaccumulative.

Adipic acid: logPow 0,093.

12.4 Mobility in soil

No data available.

HOMEENPOISTO -pesuainetabletit (MOULD REMOVAL tablets)

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Previous date: -

12.5 Results of PBT and vPvB assessment

The product and its substances are not expected to be PBT and / or vPvB.

12.6 Other adverse effects

The product is classified as environmentally hazardous. Very toxic to aquatic life with long lasting effects. 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:**

Destroy according to the rules given by local authorities. Do not mix the product with other detergents. Do not put product, spilled product or partially filled containers into the waste compactor. Contact with incompatible materials could cause a reaction and fire. Do not transport damp or wet material. Neutralise materials to a non-oxidising state for safe disposal. Do not empty tablets and undiluted washing solution into drains, water systems and soil. Destroy the tablets and undiluted liquid waste according to the local regulations for hazardous waste. EWC-code is e.g 20 01 29 (detergents containing dangerous substances).

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.

14.8 Further Information

Independent tests, carried out by TNO Prins Mauritis Laboratory, conducted with the procedure as described in the United Nations Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria, third revised edition, test O.1. have demonstrated that these products are not oxidising for transport.

EC50 value of the part of the mixture with test data is > 1, and the substances of the mixture are rapidly degradable. Therefore, the mixture is not classified as dangerous for transport due to environmental hazard.

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**

R8 Contact with combustible material may cause fire.

R22 Harmful if swallowed.

HOMEENPOISTO -pesuainetabletit (MOULD REMOVAL tablets)

Date 15.1.2014

Previous date: -

R31	Contact with acids liberates toxic gas.
R36	Irritating to eyes.
R36/37	Irritating to eyes and respiratory system.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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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