



**SAFETY DATA SHEET**  
**According to Regulation (EC) 1907/**  
**2006**

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**Toilet cleaner pine**

**3000240**

**SECTION 1. Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Trade name : Toilet cleaner pine

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

Use : Cleaning product for periodic cleaning and decalcifying toilets and bathroom.

**1.3. Details of the supplier of the safety data sheet**

Company identification : Lyreco  
Rue du 19 Mars 1962  
59770 Marly France

Responsible for placing on the market : See address above.

**1.4. Emergency telephone number**

Emergency phone nr : + 33(0)3 27 23 64 00

**SECTION 2. Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification EC 67/548 or EC 1999/45**

: Not classified as dangerous product.

**2.2. Label elements**

**Labelling EC 67/548 or EC 1999/45**

• S Phrase(s) : S2 : Keep out of the reach of children.

EEC Composition of detergents : < 5% : - Nonionic surfactants  
Perfumes

**2.3. Other hazards**

None under normal conditions.

**SECTION 3. Composition/information on ingredients**

Substance / Preparation : Preparation.

Substance name	Contents	CAS No	EC No	Index No	REACH	Classification
Citric acid monohydrate	: Between 1 and 10 %	5949-29-1	201-069-1	----	01-2119457026-42	Xi; R36 ----- Eye irrit 2
Alkyl Poly Glycoside C10-16	: Between 1 and 10 %	110615-47-9	600-975-8	----	01-2119489418-23	Xi; R38-41 ----- Eye Dam 1 Skin Irrit. 2

**SECTION 4. First aid measures**

**4.1. Description of first aid measures**

- Inhalation : Not relevant.
- Skin contact : Flush with plenty of water.
- Eye contact : Rinse for a long time with cold, running water.

**Lyreco**

Rue du 19 Mars 1962 59770 Marly France

**Toilet cleaner pine****3000240****SECTION 4. First aid measures (continued)**

- Ingestion : Drink large quantities of milk or water.  
Do not induce vomiting.

**4.2. Most important symptoms and effects, both acute and delayed****Symptoms relating to use**

- Inhalation : None under normal conditions.  
- Skin contact : Irritating to skin.  
- Eye contact : Irritation to eyes.  
Redness, pain.  
- Ingestion : Abdominal pain. Nausea.  
Vomiting.

**4.3. Indication of any immediate medical attention and special treatment needed**

- Note to physician : No specific recommendations.  
Workplace equipment : No specific recommendations.

**SECTION 5. Fire-fighting measures****5.1. Extinguishing media**

- Suitable extinguishing media : All extinguishing media can be used.  
- Unsuitable extinguishing media : None.

**5.2. Special hazards arising from the substance or mixture**

None.

**5.3. Advice for fire-fighters**

- Protection against fire : Exercise caution when fighting any chemical fire.  
See Heading 8.

**SECTION 6. Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Spill area may be slippery.  
Avoid contact with skin and eyes.  
Equip cleanup crew with proper protection.

**6.2. Environmental precautions**

Avoid release to the environment.

**6.3. Methods and material for containment and cleaning up**

Recover usable material in a clean closable container for reuse. Sweep up contaminated material and dispose of as chemical waste. Remove the remainder with water.

**6.4. Reference to other sections**

See Heading 8.

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## SECTION 7. Handling and storage

### 7.1. Precautions for safe handling

- Handling** : Avoid contact with skin and eyes.  
**Protection against fire** : Not expected to be a fire/explosion hazard under normal conditions of use.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in a cool and frost-free place in a closed packaging.

### 7.3. Specific end use(s)

No data available.

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

#### Personal protection

- **Respiratory protection** : No specific recommendations.
- **Skin protection** : No special clothing/skin protection equipment is recommended under normal conditions of use.  
Wear waterproof gloves (preferably neoprene or nitrile rubber) in case of intensive use or contact with undiluted product.
- **Eye protection** : Wear safety goggles when clearing accidentally released material.

Environment protection see § 6

### 8.2. Occupational Exposure Limits

None.

## SECTION 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- **Appearance** : White.  
Liquid.
- **Odour** : Fresh.
- **Odour threshold** : No data available.
- **pH** : 3
- **Melting point / Freezing point** : No data available.
- **Initial boiling point - boiling range** : No data available.
- **Flash point** : > 100
- **Evaporation rate** : No data available.
- **Flammability** : No data available.
- **Explosion limits (lower - upper)** : No data available.
- **Vapour pressure** : No data available.
- **Vapour density** : No data available.
- **Relative density** : 1,021 kg/l
- **Solubility** : Complete.
- **Partition coefficient :  
n-octanol / water** : No data available.

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**SECTION 9. Physical and chemical properties (continued)**

- **Auto-ignition temperature** : No data available.
- **Thermal decomposition** : No data available.
- **Viscosity** : 2500
- **Explosive Properties** : No data available.
- **Oxidising properties** : None.

**9.2. Other information**

- Volatile Organic Compounds (%)** : 0.3

**SECTION 10. Stability and reactivity**

**10.1. Reactivity**

No decomposition under normal conditions of storage and use.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

Do not store <0°C and >40°C.

**10.5. Incompatible materials**

Do not mix with other cleaning products (and certain not with chlorous products).  
Alkali.

**10.6. Hazardous decomposition products**

None under normal conditions.

**SECTION 11. Toxicological information**

**11.1. Information on toxicological effects**

**Evaluation of the security for the human health**

- **Dermal** : Not or only slightly irritant due to the composition.
- **Ocular** : Not or only slightly irritant due to the composition.
- **Ingestion** : Hardly toxic (LD 50 rat-oral-theoretical 5000-15000 ppm).
- Sensitization** : To the best of our knowledge, this product contains no sensitizing raw materials.
- Note** : Contains only ELINCS or EINECS registered raw materials and does not contain any ingredients known to be mutagenic, carcinogenic, teratogenic or reproduction toxic (R45,46,47,49,60,61,63,64, EU 97/C234, 67/548/EEC, 88/379/EEC, OSHA, NTP, IARC/ARAB (cat 1-3)).

**SECTION 12. Ecological information**

**12.1. Toxicity**

**Toilet cleaner pine****3000240****SECTION 12. Ecological information (continued)**

**48 Hour EC50 Daphnia magna [ppm] (OECD 202)** : No data available.

**EC50 72h Algae (Selenastrum capricornutum) [ppm] (OECD 201)** : No data available.

**Microbial toxicity EC50 (Microtox EC50 15min) (ppm) (DIN 38-412-L34)** : No data available.

**12.2. Persistence - degradability**

This product doesn't contain any persistent substances.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Other adverse effects**

**Remarks** : Lyreco products do not contain any bioaccumulating raw materials and no PCM or nitromusk perfume components. The surface active components used in this product fulfill all of the biodegradability requirements of EC regulation 648/2004.

**SECTION 13. Disposal considerations****13.1. Waste treatment methods**

**Product** : Waste of this product is considered chemical waste. The legislation concerning disposal of waste can differ from one country/state to another. The disposal should therefore be done according to national or local waste legislation. If in doubt, ask the local waste management authority for advice (also see § 6 and § 8 when disposing of).

**Packaging** : The empty packaging of this product is not subject to ADR. Cleaned empty packaging (including labels and caps) is fully recyclable (HDPE + PP); they may be collected selectively for recycling according to national or local waste legislation. Uncleaned packaging should be disposed of as chemical waste.

**SECTION 14. Transport information**

**GENERAL INFORMATION** : Not classified.

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

Ensure all national/local regulations are observed.

**15.2. Chemical Safety Assessment**

No data available.

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**SECTION 16. Other information**

**List of relevant R phrases (heading 3)** : R36 : Irritating to eyes.  
R38 : Irritating to skin.  
R41 : Risk of serious damage to eyes.

**Training advice** : For correct use of this product: see Technical Data Sheet.

**Sources of key data used** : MSDS and additional literature data of the respective suppliers.  
Chemical cards, 12th edition, 1997, ed. MIA, VMCI, Samson  
Comprehensive guide to chemical resistant best gloves for various amounts of  
exposure, 1999, ver.3.5 www

**Further information** : None.

**Revision** : First version of this MSDS in this new format.

**Print date** : 9 / 10 / 2012

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The contents and format of this SDS are in accordance with Regulation (EC) 1907/2006

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