

Material Safety Data Sheet

Toilet Bowl Cleaner Pine

Manufacturer Information

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Date Prepared:

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Hazardous Composition

| CAS # | Component | Percent |
|---------------|--|----------|
| 110615-47-9 | D-Glucopyranose, oligomeric, C10-16-alkyl glycosides | 1-5 |
| 79-33-4 | Propanoic acid, 2-hydroxy-, (S)- | 1-5 |
| 78-70-6 | Linalool | 0.01-0.1 |
| 5989-27-5 | D-Limonene | 0.01-0.1 |
| Not Available | Perfume | 0.01-0.1 |

Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Physical/Chemical Properties

| | |
|---|---|
| Appearance: White | Odor: Acidic |
| Physical State: Liquid | pH: 2.25 |
| Vapor Pressure: ND | Vapor Density: ND |
| Boiling Point: ND | Melting Point: ND |
| Solubility (H2O): Complete | Specific Gravity: 1.01 kg/l |
| Evaporation Rate: ND | VOC: 0.4 |
| Viscosity: 1850 cP | Octanol/H2O Coeff.: ND |
| Flash Point: >100°C | Flash Point Method: ND |
| Upper Flammability Limit (UFL): None | Lower Flammability Limit (LFL): None |
| Burning Rate: ND | Auto Ignition: ND |

Fire and Explosion

Flash Point: >100°C
Upper Flammable Limit (UFL): None
Auto Ignition: ND
Rate of Burning: ND

Method Used: ND
Lower Flammable Limit (LFL): None
Flammability Classification:

Extinguishing Media:

Use appropriate media for surrounding fire.

Special Fire Fighting Procedures:

Firefighters should wear full protective gear.

Unusual Fire and Explosion Hazards:

None

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Reactivity Data

Stability:

This is a stable material.

Hazardous Decomposition:

None under normal conditions.

Incompatibility:

Do not mix with other cleaning products (including chlorous products).

Hazardous Polymerization:

Will not occur.

Conditions To Avoid:

Do not store <0°C and >40°C.

Health Hazard Data

Routes of Entry:

Eye, skin and gastrointestinal tract.

Acute Skin Contact:

Not expected to present a significant skin hazard under anticipated conditions of normal use. Prolonged or repeated contact may cause skin to become dry or irritated.

Chronic Skin Contact:

Not Determined

Acute Eye Contact:

Eye irritant upon direct contact.

Acute Ingestion:

May cause gastrointestinal irritation if swallowed. Symptoms include nausea, vomiting, and abdominal pain.

Carcinogenicity:

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

D-Limonene (5989-27-5)

IARC: Monograph 73 [1999] (overall evaluation downgraded from 2B to 3 with supporting evidence from other relevant data) (Group 3 (not classifiable))

Medical Conditions Aggravated by Exposure:

None

EMERGENCY & FIRST AID PROCEDURES

Ingestion:

Wash out mouth and do not induce vomiting. Seek medical attention.

Inhalation:

None needed.

Skin Contact:

Flush with plenty of water. Seek medical attention if ill effect or irritation develops.

Eye Contact:

Rinse immediately with plenty of water. Seek medical attention if ill effect or irritation develops.

Precautions for Safe Handling and Use

Steps to taken in case of release or spill:

Stop the flow of material, if this is without risk. Isolate area. Keep unnecessary personnel away. 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. Avoid release to the environment.

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Waste Disposal Method:

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.

Handling and Storage

Avoid contact with eyes. Wear waterproof gloves in case of frequent contact with undiluted product. Store in a cool and frost-free place in a closed packaging. Keep out of the reach of children.

Transportation Information:

US DOT Information

Shipping Name: Not Regulated

Control Measures

Respiratory:

None required under normal product use conditions.

Monitoring:

Not Applicable

Medical Surveillance:

Not Applicable

Skin:

Wear suitable gloves in case of frequent contact with undiluted product.

Eyes:

Wear safety goggles when clearing accidentally released material and if there is a risk of splashing.

Ventilation Controls

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Other Information:

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.