

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity: Mrs. Meyers Clean Day Toilet Bowl Cleaner
All Fragrances

Intended Use: Toilet Bowl Cleaner

Manufacturer: The Caldrea Company
420 North Fifth St.
Ford Centre, Suite 600
Minneapolis, MN 55401

Telephone: 612-371-0003 **Fax:**

Emergency Information: 612-371-0003

MSDS Date of Preparation: 04/19/06

HMIS Hazard Ratings

Health	2
Fire	0
Reactivity	0

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
Water and Non-hazardous ingredients	7732-18-5	>80%
Lactic Acid	79-33-4	5-10%
Surfactant Blend	Proprietary	1-5%

3. HAZARDS IDENTIFICATION

This product is a blue, clear, slightly viscous liquid with a characteristic odor.

EMERGENCY OVERVIEW

CAUTION!

May cause eye, skin, and respiratory tract irritation. Ingestion may cause gastrointestinal irritation

4. FIRST AID MEASURES

Eye: Immediately flush victim's eyes with large quantities of water, holding the eyelids apart. Get medical attention if irritation persists.

Skin: Avoid prolonged and repeated skin contact. If contact occurs, wash thoroughly with soap and water. Remove and launder contaminated clothing before re-use. Get medical attention if irritation develops.

Ingestion: Call Poison Control Center or hospital emergency department and follow their instructions. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to or induce vomiting in an unconscious or convulsing person.

Inhalation: Inhalation overexposure is unlikely, however, if irritation occurs, remove victim to fresh air. Get medical attention if symptoms persist.

5. FIRE FIGHTING MEASURES

Flashpoint: None

Flammable Limits: LEL: Not applicable UEL: Not applicable

Autoignition Temperature: None

Extinguishing Media: Use media appropriate for surrounding fire.

Unusual Fire or Explosion Hazards: None known.

Special Fire-Fighting Instructions: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

Explosion Data (sensitivity to mechanical impact or static discharge): None known.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective clothing as described in Section 8.

Small Spills: Flush to sewer with water, or wipe up with absorbent material and place in container for disposal. Wash spill area with water.

Large Spills: Evacuate spill area and keep unprotected personnel away. Contain and recover liquid where possible. Collect residual using an inert absorbent material and place in appropriate containers for disposal. Wash spill area with water.

Prevent large spills from entering sewers and watercourses. Report releases as required by local, state and federal authorities.

Refer to Section 13 for disposal information.

7. HANDLING AND STORAGE

Handling: Avoid contact with the eyes. Avoid prolonged skin contact. Avoid breathing mists or aerosols. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

Storage: Store in a cool, dry place. Keep container closed when not in use. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines:**

Lactic Acid	None Established
Surfactant Blend	None Established

Engineering Controls: General room ventilation will be adequate for normal use.

Respiratory Protection: None normally required. In operations where exposure levels are excessive, a NIOSH approved respirator with dust/mist cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Skin Protection: None normally required. Wear impervious gloves such as rubber if prolonged contact is likely.

Eye Protection: Avoid eye contact. Chemical safety goggles recommended where splashing is possible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Blue, clear, slightly viscous liquid with characteristic odor.

Physical State: Liquid	Boiling Point: Not available
Vapor Density: Not available	Vapor Pressure: Not available
Solubility In Water: Not determined	Evaporation Rate: Not determined (Buac=1)
Specific Gravity: Not determined	pH: 1.75-2.25
Melting Point: Not available	Octanol/Water Coefficient: Not determined

10. STABILITY AND REACTIVITY

Stability: Stable under normal storage and handling conditions.

Incompatibility: Strong oxidizing agents, acids and bases, metals, high temperatures.

Hazardous Decomposition Products: Oxides of carbon, hydrogen chloride, oxides of nitrogen, methyl chloride.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION**HEALTH HAZARDS:**

Ingestion: May cause gastrointestinal irritation including nausea, vomiting, diarrhea, and cramps.

Inhalation: Inhalation of mists may cause irritation, headache and dizziness.

Eye: May cause irritation and blurred vision.

Skin: May cause irritation and possible sensitization on prolonged contact.

Chronic: No adverse effects from chronic exposure are expected.

Carcinogenicity: None of the components is listed as a carcinogen or suspected carcinogen by IARC, NTP or OSHA.

Medical Conditions Aggravated by Exposure: Employees with pre-existing skin disease.

Product Acute Toxicity Values:

Lactic Acid:	LD50 Oral Rat: 3730 mg/kg LD50 Oral Mouse: 4875 mg/kg LD50 Dermal Rabbit: >20000 mg/kg
Xanthan Gum:	Oral Rat LD50: >5000 mg/kg
Surfactant Blend:	LD50 Oral Rat: >2000 mg/kg

Product Irritation/Sensitization Data:

Lactic Acid	Eye irritation rabbit – severe irritant Skin irritation rabbit – severe irritant Skin guinea pig – slight - none
Xanthan Gum	Eye irritation rabbit – not irritating Skin irritation rabbit – not irritating
Surfactant Blend	Skin sensitization: Non-skin sensitizing

12. ECOLOGICAL INFORMATION

Lactic Acid	EC50 48h Daphnia: 240 mg/l LC50 48h Fish: 320 mg/l EC50 Algae: 3500 mg/l (neutral)
Xanthan Gum	LC50 96h Rainbow Trout: 490 mg/l LC50 48h Daphnia: 980 mg/l LC50 96h Mysid Shrimp: >500,000 ppm
Surfactant Blend	LC50 96h Rainbow Trout: 70.7 mg/l

13. DISPOSAL CONSIDERATIONS

It is the responsibility of the waste generator to determine the classification of waste at the time of disposal. This product may be classified as hazardous waste due to pH (characteristic – corrosivity). Dispose in accordance with local, state and federal environmental regulations.

14. TRANSPORT INFORMATION

Dot Hazardous Materials Description:

Proper Shipping Name: Not Regulated

UN Number: None

Hazard Class/Packing Group: None

Labels Required: None

15. REGULATORY INFORMATION

CERCLA: This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Acute Health

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

EPA TSCA Inventory: All of the ingredients in this product are listed on the EPA TSCA Inventory.

California Proposition 65: This product contains the following substances known to the State of California to cause cancer and/or reproductive harm: None

CANADA:

This product has been classified under the CPR and this MSDS discloses information elements required by the CPR.

Canadian CEPA: All the components of this product are listed on the Canadian DSL.

Canadian WHMIS Classification: Class D-2-B (eye-skin irritant)

16. OTHER INFORMATION

NFPA Rating: Health = 1 Fire = 0 Reactivity = 0