



# MATERIAL SAFETY DATA SHEET

**Product Name:** Toilet Bowl Cleaner

**Revision Date:** February 21, 2014

**Compiler:** \_\_\_\_\_

**Checker:** \_\_\_\_\_

**Approver:** \_\_\_\_\_

# FLP LLC

## MATERIAL SAFETY DATA SHEET

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### SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: Toilet Bowl Cleaner  
 Company: FLP LLC  
 Address: 2405 S. Roosevelt St., Tempe, AZ 85282  
 Fax: 480-577-5909  
 Emergency: 480-557-5890  
 E-mail: sales@Frontlineproductsinc.com  
 MSDS Number: 14-9852  
 MSDS Date: February 21, 2014

### SECTION 2 INFORMATION ON INGREDIENTS

**Product Name:** Toilet Bowl Cleaner.

Component	Percentage	CAS Number
Water	87.2	7732-18-5
Butane	6.0	106.97-8
Coconut Diethanol Amide	1.5	68603-42-9
Ethylene Glycol Monobutyl Ether	1.5	111-76-2
Edetate Disodium	1.5	6381-92-6
Sodium Lauryl Sulfate	1.0	151-21-3
Alkyl Polyglycoside	0.8	141464-42-8
Morpholine	0.2	110-91-8
Sodium Benzoate	0.2	532-32-1
Perfume	0.1	/

### SECTION 3 HAZARDS IDENTIFICATION

#### A. EMERGENCY OVERVIEW:

**Warning Statements:** WARNING!! EYE IRRITANT.

**Physical Appearance and Odor:** Aerosol; scented.

#### B. POTENTIAL HEALTH EFFECTS:

**Acute Eye:** : In case of contact with eyes, flush with copious amounts of water for at least 15 minutes .Assure adequate flushing by separating the eyelids with fingers .Call a physician.

**Acute Skin:** In case of contact, immediately wash skin with soap and copious amounts of water .If irritation persists, call a physician

**Acute Inhalation:** If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen

**Acute Ingestion:** If swallowed, wash out mouth with water provided person is

conscious. Call a physician.

## SECTION 4 FIRST-AID MEASURES

- Skin Exposure:** In case of contact, immediately wash skin with soap and copious amounts of water. If irritation persists, call a physician.
- Eye Exposure:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
- Inhalation Exposure:** If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen
- Oral Exposure:** If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended.

### MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE:

Skin contact may aggravate existing skin disease.

### NOTES TO PHYSICIAN:

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. No specific antidote available.

## SECTION 5 FIRE FIGHTING MEASURES

### FIRE HAZARD DATA:

<b>Flash Point:</b>	<b>Flammability Class:</b>	<b>Flammability Limits (vol/vol%):</b>	
No Data	NON-FLAMMABLE	Lower:	Upper:
		No Data	No Data

**Method Used:** Closed cup

### Extinguishing Media:

Recommended (small fires): dry chemical, carbon dioxide, Recommended (large fire): alcohol foam, universal foam, water spray, Not recommended: water jet (frothing possible).

### Special Fire Fighting Procedures:

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

### Unusual Fire and Explosion Hazards:

Product will burn under fire conditions. Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### Evacuation Procedures and Safety:

Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

**Containment of Spill:**

Follow procedure described below under Cleanup and Disposal of Spill.

**Cleanup and Disposal of Spill:**

Absorb with an inert absorbent. Sweep up and place in an appropriate closed container (see Section 7: Handling and Storage). Clean up residual material by washing area with water. Collect washings for disposal.

**Environmental and Regulatory Reporting:**

Do not flush to drain. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

## SECTION 7 HANDLING AND STORAGE

**Minimum/Maximum Storage Temperatures:**

10 to 49 °C (50 to 120 °F)

**Handling:**

Avoid breathing vapors and mists. Avoid direct or prolonged contact with skin and eyes. In cold weather, this product may stratify and freeze. This does not damage the product. If freezing occurs, thaw and remix before using. Frozen material may be thawed in a warm room. Avoid localized overheating. Vent drums while heating. Mix thoroughly to assure homogeneity.

**Storage:**

Store in tightly closed containers. Store in an area that is dry, well-ventilated, away from ignition sources, away from incompatible materials (see Section 10. Stability and Reactivity).

## SECTION 8 EXPOSURE CONTROL/PPE

**Introductory Remarks:**

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations.

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

**Exposure Guidelines:** No exposure limits were found for this product or any of its ingredients.

**Engineering Controls:**

Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: general area dilution/exhaust ventilation.

**Respiratory Protection:**

For reasonably foreseeable end uses of this material, respiratory protection should not be necessary. When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.

**Eye/Face Protection:**

It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments. Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

**Skin Protection:**

Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.

**Work Practice Controls:**

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet; and (3) Wash exposed skin promptly to remove accidental splashes or contact with this material.

## SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product Information phone number in Section 1 for its exact specifications.

<b>Physical Appearance:</b>	Aerosol.
<b>Odor:</b>	Weak Aromatic Odor.
<b>pH:</b>	8.5-10.0.
<b>Specific Gravity:</b>	No Data.
<b>Melting Point Range:</b>	No Data.
<b>Freezing Point Range:</b>	No Data.
<b>Boiling Point Range:</b>	No Data.
<b>Vapor Density:</b>	No Data.

## SECTION 10 STABILITY AND REACTIVITY

**Stability:** ..... Stable under normal temperature and pressures.

**Conditions to Avoid:** ..... High heat and open flame.

**Hazardous Polymerization:** . Will not occur.

**Hazardous Decomposition Products:** CO, CO<sub>2</sub>.

## SECTION 11 TOXICOLOGICAL INFORMATION

The following data are for similar or related products.

Toxicological Information and Interpretation:

Acute Eye Irritation:

eye - eye irritation, rabbit. Moderately irritating.

Acute Skin Irritation:

skin - skin irritation, rabbit. Slightly irritating.

Acute Respiratory Irritation:

Acute Inhalation Toxicity: No test data found for product.

## SECTION 12 ECOLOGICAL INFORMATION

Classification of the constituent ingredients and their individual concentrations in this product indicate that it is likely to be biodegradable and environmental problems under normal use conditions are not expected.

## SECTION 13 DISPOSAL CONSIDERATIONS

### Waste Disposal Method:

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

### Container Handling and Disposal:

Any containers or equipment used should be decontaminated immediately after use.

### EPA Hazardous Waste - NO

## SECTION 14 TRANSPORT INFORMATION

Transportation Status: IMPORTANT! Statements below provide additional data on listed DOT classification. The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

US Department of Transportation

Shipping Name: NOT REGULATED

## SECTION 15 REGULATORY INFORMATION

**Hazard** None Required

**Symbol:**

**Risk Phrases:** None Required

**Safety Phrases:** None Required

## SECTION 16 OTHER INFORMATION

**Date:** February 21, 2014

**Department:** FLP LLC

Tel/Fax: 480-557-5890/480-557-5909

**Revision:** 0

### Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.