




# Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

	Not a WHMIS controlled material.	Class: Irritating substance.
WHMIS (Pictograms)	WHMIS (Classification)	HCS

## Section 1. Chemical Product and Company Identification

Product Name/ Trade name	<b>Green Earth Restroom Cleaner - Diluted</b>	Code	548 DIL
Synonym	Heavy Duty Foaming Scum Remover/Restroom Cleaner	Version Number	
Chemical Family	Not available.	Validation Date	1/12/2010
Chemical Formula	Not applicable.	Print Date	1/12/2010
Manufacturer/ Supplier	Betco Corporation 1001 Brown Avenue Toledo, Oh 43607 (419) 241-2156	In Case of Emergency	Chemtrec (800) 424-9300
TSCA	TSCA Inventory: All components listed or are exempt from listing.		
DSL/ NDSL	All components listed unless noted elsewhere on this MSDS		
		Protective Clothing	

## Section 2. Composition and Information on Ingredients

Name	CAS #	% by Volume	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
Water	7732-18-5	>75	Not available.	Not available.
Urea Hydrochloride	506-89-8	<1	Not available.	Not available.
Cocamidopropyl Betaine	61789-40-0	<1	Not available.	Not available.
Ethoxylated Alcohol	68439-46-3	<1	Not available.	Not available.
Glycol Ether DB	112-34-5	<1	Not available.	Not available.
Polyglycoside Surfactant	110615-47-9	<1	Not available.	Not available.

## Section 3. Hazards Identification

Potential Acute Health Effects	Non-corrosive for skin. Inflammation of the eye is characterized by redness, watering, and itching.
Potential Chronic Health Effects	Repeated or prolonged contact with spray mist may produce eye irritation and skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

## Section 4. First Aid Measures

Eye Contact	In case of contact with eyes, rinse immediately with plenty of water.
Skin Contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention.
Inhalation	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration., preferably mouth to mouth if possible.
Ingestion	Call a poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person

### Section 5. Fire Fighting Measures

**Products of Combustion** Not available.

**Fire Fighting Media and Instructions** SMALL FIRE: Use DRY chemical powder.  
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

**Special Remarks on Fire Hazards** Non combustible.

**Special Remarks on Explosion Hazards** No additional remark.

### Section 6. Accidental Release Measures

**Small Spill and Leak** Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

**Large Spill and Leak** Absorb with an inert material and put the spilled material in an appropriate waste disposal.

**Personal Protection in Case of a Large Spill** Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

### Section 7. Handling and Storage

**Precautions** Keep away from incompatibles. May react or be incompatible with oxidizing materials.

**Incompatibility** oxidizing agents

**Storage** Keep out of the reach of children. Not for use or storage in or around the home.

### Section 8. Exposure Controls/Personal Protection

**Engineering Controls** Good general ventilation should be sufficient to control airborne levels.

#### Personal Protection

**Eyes** Eye contact with the concentrate is unlikely when dispensing through a dilution control system. Eye protection should be worn in instances where splashing may occur.

**Body** No special recommendations.

**Respiratory** A respirator is not needed under normal and intended conditions of product use.

**Hands** Skin contact with concentrate is unlikely when dispensing through a dilution control system. Persons with sensitive skin or persons with existing skin conditions should wear gloves when using cleaning and maintenance products.

**Protective Clothing (Pictograms)**

**Exposure Limits** See Section 2 For Applicable Exposure Limits

### Section 9. Physical and Chemical Properties

**Physical State and Appearance** Liquid.

**Odor** Citrus Floral

**Molecular Weight** Not applicable.

**Taste** Not available.

**pH** <2 [

**Color** Green.

**Boiling/Condensation Point** 100°C (212°F)

**Melting/Freezing Point** Not available.

**Critical Temperature** Not available.

**Instability Temperature** Not available.

**Specific Gravity** 1.04 (Water = 1)

<b>Vapor Pressure</b>	Not available.
<b>Vapor Density</b>	>1 (Air = 1)
<b>Volatility</b>	>75% (w/w).
<b>VOC</b>	Actual VOC Content (<3% By Weight), VOC Content - Consumer Products Regulations (<1% by Weight)
<b>Evaporation Rate</b>	<1 compared to Water
<b>Dispersion Properties</b>	See solubility in water.
<b>Solubility</b>	Soluble in cold water, hot water.
<b>The Product is:</b>	May be combustible at high temperature.
<b>Auto-ignition Temperature</b>	Not available.
<b>Flash Points</b>	CLOSED CUP: >98.889°C (210°F).
<b>Flammable Limits</b>	Not available.
<b>Fire Hazards in Presence of Various Substances</b>	Not available.
<b>Explosion Hazards in Presence of Various Substances</b>	Not applicable

### Section 10. Stability and Reactivity Data

<b>Stability</b>	The product is stable.
<b>Incompatibility with Various Substances</b>	oxidizing agents
<b>Hazardous Decomposition Products</b>	Not available.

### Section 11. Toxicological Information

<b>Routes of Entry</b>	Absorbed through skin. Eye contact. Inhalation.
<b>Toxicity to Animals</b>	LD50: Not available. LC50: Not available.
<b>Acute Effects on Humans</b>	
<i>Eyes</i>	Irritating to eyes.
<i>Skin</i>	Slightly irritating to the skin.
<i>Inhalation</i>	Slightly irritating to the respiratory system.
<i>Ingestion</i>	Harmful if swallowed. Irritating to mouth, throat and stomach.
<b>Chronic Effects on Humans</b>	Repeated or prolonged contact with spray mist may produce eye irritation and skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation.
<b>Special Remarks on Toxicity to Animals</b>	Not available.
<b>Special Remarks on Chronic Effects on Humans</b>	Not available.

## Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	Not available.

## Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available.

## Section 14. Transport Information

DOT (U.S.A)  
(Pictograms)



TDG Classification Not controlled under TDG (Canada).



PIN UN, Proper Shipping Name, PG Not applicable.

Maritime Transportation Not available.

Special Provisions for Transport Not applicable.

## Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) Not a WHMIS controlled material.



Regulatory Lists CEPA DSL: No products were found.

Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications HCS (U.S.A.) Class: Irritating substance.

USA Regulatory Lists No products were found.

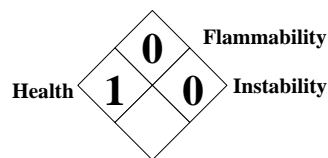
DSD (EEC)

International Regulations Lists No products were found.

**Hazardous Material  
Information System  
(U.S.A.)**

Health	1
Flammability	0
Physical Hazard	0

**National Fire  
Protection  
Association  
(U.S.A.)**



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

**Section 16. Other Information**

Validated by CRushton on 1/12/2010.

Verified by CRushton.

Printed 1/12/2010.

**Information Contact Betco Corporation  
1001 Brown Avenue  
Toledo, Ohio 43607**

Notice to Reader:

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

Validated on 1/12/2010.

**Green Earth Restroom Cleaner -  
Diluted**

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