





# Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

	WHMIS Class D-2B: Material causing other toxic effects (TOXIC).	Class: Irritating substance.
WHMIS (Pictograms)	WHMIS (Classification)	HCS

## Section 1. Chemical Product and Company Identification

Product Name/ Trade name	<b>Green Earth Floor Stripper</b>	Code	541
Synonym	Floor Stripper	CAS #	Mixture.
Chemical Family		Validation Date	4/25/2005
Chemical Formula		Print Date	4/25/2005
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		
<b>Protective Clothing</b>			
			

## Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
Benzyl Alcohol	100-51-6	10-15	TWA: 3 STEL: 6 (ppm)	Not available.
Tripropylene Glycol Methyl Ether	25498-49-1	20-30	Not available.	Not available.
Sodium Xylene Sulfonate	1300-72-7	1-10	Not available.	ORAL (LD50): Acute: 650 mg/kg [Rat]. 5939 mg/kg [Mouse].
Alcohol Ethoxylate	68439-46-3	1-5	Not available.	Not available.
Alcohols, C12-C14, ethoxylated propoxylated	68439-51-0	1-5	Not available.	Not available.

## Section 3. Hazards Identification

<b>Potential Acute Health Effects</b>	This product is a severe eye irritant. Harmful if absorbed through the skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
<b>Potential Chronic Health Effects</b>	Over-exposure by inhalation may cause respiratory irritation. Repeated or prolonged exposure to the substance can produce nervous system damage.
<b>Carcinogenic Effects</b>	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

#### **Section 4. First Aid Measures**

<b>Eye Contact</b>	Avoid contact with eyes. Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek immediate medical attention.
<b>Skin Contact</b>	Avoid contact with skin and eyes. Flush with plenty of water for at least 15 minutes. Seek medical attention.
<b>Inhalation</b>	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.
<b>Ingestion</b>	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**

<b>Products of Combustion</b>	These products are carbon oxides (CO, CO <sub>2</sub> ).
<b>Fire Fighting Media and Instructions</b>	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
<b>Special Remarks on Fire Hazards</b>	Not available.
<b>Special Remarks on Explosion Hazards</b>	No additional remark.

#### **Section 6. Accidental Release Measures**

<b>Small Spill and Leak</b>	Absorb with an inert material and place in an appropriate waste disposal container.
<b>Large Spill and Leak</b>	Absorb with DRY earth, sand or other non-combustible material. Block the path of any flowing material using soil, gravel, or other readily available material. Eliminate all ignition sources. Prevent entry into sewers, basements or confined areas.
<b>Personal Protection in Case of a Large Spill</b>	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product.

#### **Section 7. Handling and Storage**

<b>Precautions</b>	Avoid contact with skin and eyes. Avoid breathing vapors of this product. Keep away from incompatibles. Keep away from sources of ignition. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.
<b>Incompatibility</b>	Highly reactive with oxidizing agents, reducing agents. Reactive with metals.
<b>Storage</b>	Combustible materials should be stored away from extreme heat and away from strong oxidizing agents. Keep out of the reach of children. Not for use or storage in or around the home.

#### **Section 8. Exposure Controls/Personal Protection**

<b>Engineering Controls</b>	Local exhaust ventilation should be provided.
<b>Personal Protection</b>	
<i>Eyes</i>	Splash goggles.
<i>Body</i>	Disposable outer garments when there is the potential for contact with the material. Boots.
<i>Respiratory</i>	Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
<i>Hands</i>	Gloves.

**Protective Clothing  
(Pictograms)**



**Exposure Limits**

**Benzyl Alcohol**  
TWA: 3 STEL: 6 (ppm)

Consult local authorities for acceptable exposure limits.

**Section 9. Physical and Chemical Properties**

<b>Physical State and Appearance</b>	Liquid.	<b>Odor</b>	Characteristic. (Strong.)
<b>Molecular Weight</b>	Not applicable.	<b>Taste</b>	Not available.
<b>pH</b>	10 to 11 [Basic.]	<b>Color</b>	White.
<b>Boiling/Condensation Point</b>	100°C (212°F)		
<b>Melting/Freezing Point</b>	Not available.		
<b>Critical Temperature</b>	Not available.		
<b>Instability Temperature</b>	Not available.		
<b>Specific Gravity</b>	1.0311 (Water = 1)		
<b>Vapor Pressure</b>	Not available.		
<b>Vapor Density</b>	Not available.		
<b>Volatility</b>	Not available.		
<b>VOC</b>	108 (g/L)		
<b>Evaporation Rate</b>	<1 compared to Butyl acetate.		
<b>Dispersion Properties</b>	See solubility in water.		
<b>Solubility</b>	Partially soluble in cold water, hot water.		
<b>The Product is:</b>	Non-flammable.		
<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>	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.		

### Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	Highly reactive with oxidizing agents, reducing agents. Reactive with metals.
Hazardous Decomposition Products	Not available.

### Section 11. Toxicological Information

Routes of Entry	Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 650 mg/kg [Rat]. (Sodium Xylene Sulfonate).
Acute Effects on Humans	<p><i>Eyes</i> Very hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.</p> <p><i>Skin</i> Sensitization of the product: Not available. Very hazardous in case of skin contact (irritant, permeator). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.</p> <p><i>Inhalation</i> Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Irritating to mouth, throat and stomach.</p> <p><i>Ingestion</i> Very hazardous in case of ingestion. May be fatal if swallowed. May cause headache, dizziness, nausea, vomiting and diarrhea. May cause labored breathing.</p>
Chronic Effects on Humans	Over-exposure by inhalation may cause respiratory irritation. Repeated or prolonged exposure to the substance can produce nervous system damage.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.

### Section 12. Ecological Information

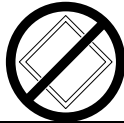
Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	These products are carbon oxides (CO, CO <sub>2</sub> ) and water.
Toxicity of the Products of Biodegradation	The products of degradation are less toxic than the product itself.
Special Remarks on the Products of Biodegradation	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 a TDG controlled material.



PIN UN, Proper Shipping Name, PG Not applicable.

Maritime Transportation Not available.

Special Provisions for Transport Not available.

## Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) WHMIS Class D-2B: Material causing other toxic effects (TOXIC).



Regulatory Lists 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.

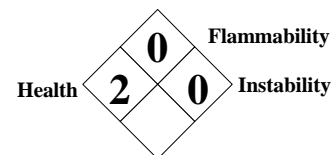
DSD (EEC) This product is not classified according to the EU regulations.

International Regulations Lists No products were found.

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

Health	*	2
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.

Specific Hazard

## Section 16. Other Information

Validated by CRushton on 4/25/2005.

Verified by CRushton.

Printed 4/25/2005.

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 4/25/2005.

***Green Earth Floor Stripper***

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