





# Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

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

## Section 1. Chemical Product and Company Identification

<b>Product Name/ Trade name</b>	<b>Green Earth Peroxide Cleaner Concentrate (At Dilution)</b>	<b>Code</b>	<b>336 DIL</b>
<b>Synonym</b>	Hydrogen Peroxide Cleaner	<b>CAS #</b>	Mixture.
<b>Chemical Family</b>	Not Applicable	<b>Validation Date</b>	2/2/2009
<b>Chemical Formula</b>	Not applicable.	<b>Print Date</b>	2/2/2009
<b>Manufacturer/ Supplier</b>	Betco Corporation 1001 Brown Avenue Toledo, Oh 43607 (419) 241-2156	<b>In Case of Emergency</b>	Chemtrec (800) 424-9300
<b>TSCA</b>	TSCA Inventory: All components listed or are exempt from listing.		
<b>DSL/ NDSL</b>	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>
Hydrogen Peroxide	7722-84-1	<1	Not available.	Not available.
Peppermint Oil	8006-90-4	<0.001	Not available.	Not available.
Cornmint Oil	68917-18-0	<0.0001	Not available.	Not available.

## Section 3. Hazards Identification

<b>Potential Acute Health Effects</b>	Hazardous in case of eye contact (irritant). Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation. Non-corrosive for skin. Non-sensitizer for skin. Non-permeator by skin. Non-corrosive to the eyes.
<b>Potential Chronic Health Effects</b>	Repeated or prolonged exposure is not known to aggravate medical condition.
<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 medical attention.
<b>Skin Contact</b>	After contact with skin, wash immediately with plenty of water. Seek medical attention, if irritation persists.
<b>Inhalation</b>	Allow the victim to rest in a well ventilated area.
<b>Ingestion</b>	Do not induce vomiting. Have conscious person drink several glasses of water. Seek immediate medical attention. NEVER give an unconscious person anything to ingest.

### Section 5. Fire Fighting Measures

**Products of Combustion**    Oxygen

**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**    Not available.

**Special Remarks on Explosion Hazards**    Not available.

### 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 heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with eyes. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.

**Incompatibility**    Slightly reactive with oxidizing agents, reducing materials

**Storage**    Keep away from direct sunlight or strong incandescent light. Keep away from heat, sparks and flame. Keep away from incompatibles. Use with adequate ventilation.

### Section 8. Exposure Controls/Personal Protection

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

**Personal Protection**

*Eyes* Safety glasses.

*Body* No special recommendations.

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

*Hands* Gloves.

**Protective Clothing (Pictograms)**



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

### Section 9. Physical and Chemical Properties

**Physical State and Appearance**    Liquid.

**Odor**    Minty.

**Molecular Weight**    Not applicable.

**Taste**    Not available.

**pH**    6 to 7

**Color**    Clear.

**Boiling/Condensation Point**    212 F

**Melting/Freezing Point**    Not available.

**Critical Temperature**    Not available.

<b>Instability Temperature</b>	Not available.
<b>Specific Gravity</b>	1.002 (Water = 1)
<b>Vapor Pressure</b>	>1
<b>Vapor Density</b>	>1 (Air = 1)
<b>Volatility</b>	Not available.
<b>VOC</b>	Not available.
<b>Evaporation Rate</b>	Not available.
<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>	Containers may explode when heated.

### Section 10. Stability and Reactivity Data

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

### Section 11. Toxicological Information

<b>Routes of Entry</b>	Absorbed through skin. Eye contact. Inhalation. Ingestion.
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): 2910 mg/kg [Rat]. (Phosphonic Acid). Acute dermal toxicity (LD50): >6310 mg/kg [Rabbit]. (Phosphonic Acid).
<b>Acute Effects on Humans</b>	
	<i>Eyes</i> Hazardous in case of eye contact (irritant). Non-corrosive to the eyes.
	<i>Skin</i> Slightly hazardous in case of skin contact (irritant).
	<i>Inhalation</i> Slightly hazardous in case of inhalation.
	<i>Ingestion</i> Slightly hazardous in case of ingestion.
<b>Chronic Effects on Humans</b>	Repeated or prolonged exposure is not known to aggravate medical condition.
<b>Special Remarks on Toxicity to Animals</b>	Algae growth inhibition due to ability to complex nutrients, not necessarily toxicity (Phosphonic Acid)
<b>Special Remarks on Chronic Effects on Humans</b>	Not available.

## Section 12. Ecological Information

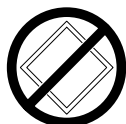
Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	These products are carbon oxides (CO, CO2) and water.
Toxicity of the Products of Biodegradation	The product itself and its products of degradation are not toxic.
Special Remarks on the Products of Biodegradation	Not available.

## 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) CLASS D-2B: Material causing other toxic effects (TOXIC).



Regulatory Lists No products were found.

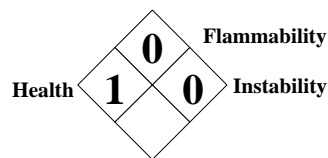
Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications	HCS (U.S.A.)	Class: Irritating substance.
	USA Regulatory Lists	This product does NOT contain components that are known to the state of California to Cause Cancer or Reproductive Harm at or above California Prop 65 No Observable Effect Level (NOEL) (Safe Harbor Level). Pennsylvania RTK: Dipropylene Glycol Massachusetts RTK: Ethylene Oxide
	DSD (EEC)	This product is not classified according to the EU regulations.

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

Health	1
Flammability	0
Physical Hazard	1

**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 2/2/2009.

Verified by CRushton.

Printed 2/2/2009.

**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 2/2/2009.

**Green Earth Peroxide Cleaner  
Concentrate (At Dilution)**

**Page: 5/5**

**Continued on Next Page**