



# Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200



WHMIS (Pictograms)


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

WHMIS (Classification)

HCS Class: Irritating substance.

HCS

## Section 1. Chemical Product and Company Identification

Product Name/ Trade name		Daily Scrub SC (At Dilution)	Code	1 8 8 ( A t Dilution)
Synonym	Floor Cleaner		CAS #	Mixture.
Chemical Family	Not available.		Validation Date	3/2/2010
Chemical Formula	Not applicable.		Print Date	3/3/2010
Manufacturer/ Supplier	Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607 (800) 666-2156		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 Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
Monoethanolamine	141-43-5	<1	Not available.	Not available.
2-Butoxyethanol	111-76-2	<1	ACGIH (United States). TWA: 20 ppm OSHA (United States). TWA: 50 ppm	ORAL (LD <sub>50</sub> ): Acute: 1746 mg/kg [Rat].

## Section 3. Hazards Identification

Potential Acute Health Effects	Hazardous in case of eye contact (irritant). Slightly hazardous in case of skin contact (irritant), of ingestion, .
Potential Chronic Health Effects	May aggravate existing skin conditions. May aggravate existing respiratory conditions.
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. Seek medical attention.
Skin Contact	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
Ingestion	SEEK IMMEDIATE MEDICAL ATTENTION Do not induce vomiting.unless instructed to do so by medical personnel

### Section 5. Fire Fighting Measures

Products of Combustion	These products are carbon oxides (CO, CO <sub>2</sub> ).
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	Absorb with an inert 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	Boots. Gloves. Splash goggles.

### Section 7. Handling and Storage

Precautions	After handling, always wash hands thoroughly with soap and water. Avoid breathing vapors or spray mists.
Incompatibility	Not available.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.

### Section 8. Exposure Controls/Personal Protection

Engineering Controls	Good general ventilation should be sufficient to control airborne levels.
Personal Protection	
<i>Eyes</i>	Safety glasses.
<i>Body</i>	No special protective clothing is required.
<i>Respiratory</i>	A respirator is not needed under normal and intended conditions of product use.
<i>Hands</i>	Gloves: Protective gloves should be worn under normal conditions of use.

Protective Clothing  
(Pictograms)



Exposure Limits	Not available.
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### Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Characteristic.
Molecular Weight	Not applicable.	Taste	Not available.
pH	10 to 11 [Basic.]	Color	Green.
Boiling/Condensation Point	100°C (212°F)		
Melting/Freezing Point	May start to solidify at 0°C (32°F) based on data for: Water.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	1 (Water = 1)		

<b>Vapor Pressure</b>	The highest known value is 0.001 kPa (0.01 mm Hg) (at 20°C) (nonylphenol polyethylene glycol ether).
<b>Vapor Density</b>	The highest known value is >1 (Air = 1) (nonylphenol polyethylene glycol ether).
<b>Volatility</b>	>95% (w/w).
<b>VOC</b>	<0.1%
<b>Evaporation Rate</b>	<1 compared to Butyl acetate.
<b>Dispersion Properties</b>	See solubility in water, methanol, acetone.
<b>Solubility</b>	Easily soluble in methanol, acetone. 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>	Not available.

<b>Section 10. Stability and Reactivity Data</b>	
<b>Stability</b>	The product is stable.
<b>Incompatibility with Various Substances</b>	Not available.
<b>Hazardous Decomposition Products</b>	Not available.

<b>Section 11. Toxicological Information</b>	
<b>Routes of Entry</b>	Dermal contact. Eye contact. Inhalation. Ingestion.
<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> Irritating to skin.
	<i>Inhalation</i> Not available.
	<i>Ingestion</i> May cause nausea, vomiting. .
<b>Chronic Effects on Humans</b>	May aggravate existing skin conditions. May aggravate existing respiratory conditions.
<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

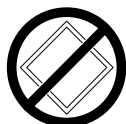
Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	These products are carbon oxides (CO, CO <sub>2</sub> ) and water.
Toxicity of the Products of Biodegradation	
Special Remarks on the Products of Biodegradation	Not available.

## 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

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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.)

HCS Class: Irritating substance.

USA Regulatory Lists

This product does not contain chemicals at levels reportable under California Prop 65  
Massachusetts RTK: Ethylene Oxide ; Formaldehyde

DSD (EEC)

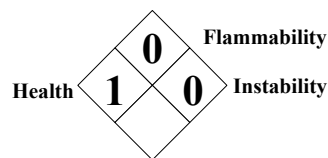
International Regulations Lists

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 5/9/2005.

Verified by CRushton.

Printed 12/12/2006.

Information Contact COMPANY NAME  
COMPANY ADDRESS  
EMERGENCY PHONE

Notice to Read:

*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 5/9/2005.

**Daily Scrub SC (At Dilution)**

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