





# 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
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## Section 1. Chemical Product and Company Identification

Product Name/ Trade name	<b>Bonbet</b>	Code	408
Synonym	Liquid Dry Carpet Cleaner	CAS #	Not applicable.
Chemical Family	Not available.	Validation Date	3/26/2004
Chemical Formula	Not applicable.	Print Date	3/27/2004
Manufacturer/ Supplier	Betco Corporation 1001 Brown Avenue Toledo, Ohio 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 Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
1) 2-Butoxyethanol	111-76-2	<15	TWA: 20 (ppm) from ACGIH (TLV) [United States] TWA: 50 (ppm) from OSHA (PEL) [United States]	ORAL (LD50): Acute: 1746 mg/kg [Rat].
2) Sodium Lauryl Sulfate	151-21-3	<25	Not available.	Not available.

## Section 3. Hazards Identification

Potential Acute Health Effects	Skin and eye irritant. Harmful if inhaled. Harmful if swallowed.
Potential Chronic Health Effects	Severe over exposure may cause nervous system damage and kidney damage. Over-exposure by inhalation may cause respiratory irritation.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

## Section 4. First Aid Measures

Eye Contact	Flush eyes with large quantities of water. Seek medical attention if irritation persists.
Skin Contact	Flush with large quantities of water. Seek medical attention if irritation persists.
Inhalation	Get to fresh air. Seek medical attention if symptoms persist.
Ingestion	Dilute with two glasses of water. Seek medical attention immediately.

### Section 5. Fire Fighting Measures

Products of Combustion	Not available.
Fire Fighting Media and Instructions	N/A
Special Remarks on Fire Hazards	N/A
Special Remarks on Explosion Hazards	N/A

### 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	Avoid to runoff to sewers and waterways. Wear Protective Clothing. Absorb with inert Material. Contact you local Emergency planning commission for further instructions.
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	After handling, always wash hands thoroughly with soap and water. Avoid contact with skin and eyes.
Incompatibility	Strong oxidizers.
Storage	Keep out of reach of children. For Institutional and Commercial Use

### 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 protective clothing is required.

*Respiratory* Wear appropriate respirator when ventilation is inadequate.

*Hands* Gloves.

#### Protective Clothing (Pictograms)



Exposure Limits **2-Butoxyethanol**  
TWA: 25 (ppm)  
TWA: 50 (ppm) from OSHA (PEL)

Consult local authorities for acceptable exposure limits.

### Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid. (Hazy liquid.)	Odor	Pleasant. (Slight.)
Molecular Weight	Not applicable.	Taste	Not available.
pH	8.5 to 9.5 [Basic.]	Color	Blue.
Boiling/Condensation Point	212°F initial		
Melting/Freezing Point	Not available.		

<b>Critical Temperature</b>	Not available.
<b>Instability Temperature</b>	Not available.
<b>Specific Gravity</b>	1.02 (Water = 1)
<b>Vapor Pressure</b>	20mm Hg @ 68°F
<b>Vapor Density</b>	>1 (Air = 1)
<b>Volatility</b>	85
<b>VOC</b>	Not available.
<b>Evaporation Rate</b>	<1
<b>Dispersion Properties</b>	See solubility in water.
<b>Solubility</b>	Easily soluble in cold water.
<b>The Product is:</b>	May be combustible at high temperature.
<b>Auto-ignition Temperature</b>	Not available.
<b>Flash Points</b>	Not available.
<b>Flammable Limits</b>	Not available.
<b>Fire Hazards in Presence of Various Substances</b>	No specific information is available in our database regarding the flammability of this product in presence of various materials.
<b>Explosion Hazards in Presence of Various Substances</b>	No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.

### Section 10. Stability and Reactivity Data

<b>Stability</b>	The product is stable.
<b>Incompatibility with Various Substances</b>	Strong oxidizers.
<b>Hazardous Decomposition Products</b>	Will not occur.

### Section 11. Toxicological Information

<b>Routes of Entry</b>	Eye Contact Skin contact. INHALATION Ingestion.
<b>Toxicity to Animals</b>	<b>WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.</b> Acute oral toxicity (LD50): 1746 mg/kg [Rat]. (2-Butoxyethanol). Acute toxicity of the gas (LC50): 926 ppm 4 hour(s) [Mouse]. (2-Butoxyethanol).
<b>Acute Effects on Humans</b>	<p><i>Eyes</i> Eye irritant. Liquid and mist may damage the eyes causing corneal injury.</p> <p><i>Skin</i> Skin irritant. May cause reddening, swelling, and possible skin damage.</p> <p><i>Inhalation</i> Vapors may be irritating to mucous membranes in the nose, throat, and lungs. High concentrations may cause headache and nausea.</p> <p><i>Ingestion</i> May cause headache, dizziness, nausea, vomiting, and diarrhea.</p>
<b>Chronic Effects on Humans</b>	Severe over exposure may cause nervous system damage and kidney damage. Over-exposure by inhalation may cause respiratory irritation.

Special Remarks on Toxicity to Animals No additional remark.

Special Remarks on Chronic Effects on Humans No additional remark.

**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 No additional remark.

**Section 13. Disposal Considerations**

Waste Information Any method in accordance with applicable laws.

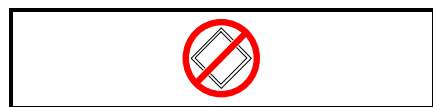
Waste Stream Not available.

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



Regulatory Lists No products were found.

Other Regulations Not available. or of its ingredients

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

SARA 311/312 MSDS distribution - chemical inventory - hazard identification:  
2-Butoxyethanol: immediate health hazard, delayed health hazard  
SARA 313 toxic chemical notification and release reporting: 2-Butoxyethanol

DSD (EEC)

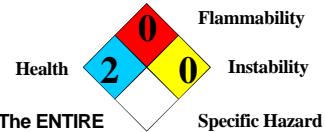
International  
Regulations Lists

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.

### Section 16. Other Information

Validated by CRushton on 3/26/2004.

Verified by CRushton.

Printed 3/27/2004.

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 3/26/2004.

**Bonbet**

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