



# Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

	E	HCS CLASS: Corrosive liquid.
WHMIS (Pictograms)	WHMIS (Classification)	HCS

## Section 1. Chemical Product and Company Identification

Product Name/ Trade name	<b>Spray Foam</b>	Code	126
Synonym	Heavy Duty Foaming Degreaser	CAS #	Mixture.
Chemical Family	Not available.	Validation Date	3/20/2004
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		
		<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>
1) Tetrasodium salt of ethylenediaminetetraacetic acid	64-02-8	5-10	Not available.	ORAL (LD50): Acute: 3030 mg/kg [Rat].
2) Sodium Hydroxide	1310-73-2	0-5	TWA: 2 (mg/m <sup>3</sup> ) from OSHA (PEL) [United States]	Not available.
3) Sodium Metasilicate	6834-92-0	0-5	Not available.	Not available.
4) Sodium Xylene Sulfonate	1300-72-7	0-5	Not available.	ORAL (LD50): Acute: 650 mg/kg [Rat]. 5939 mg/kg [Mouse].
5) Anionic Surfactant	25155-30-0	0-5	Not available.	Not available.
6) Nonionic Surfactant	9016-45-9	0-5	Not available.	Not available.
7) Anionic Surfactant	68130-47-2	0-5	Not available.	ORAL (LD50): Acute: 3950 mg/kg [Rat].

## Section 3. Hazards Identification

Potential Acute Health Effects	Corrosive to eyes and skin. Harmful if swallowed.
Potential Chronic Health Effects	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

<b>Eye Contact</b>	Call a poison control center or doctor immediately for treatment advice. Hold eye open and rinse slowly and thoroughly with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
<b>Skin Contact</b>	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. Thoroughly clean shoes before reuse. Get medical attention immediately.
<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. Call a poison control center or doctor for further treatment advice.
<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>	Not Applicable
<b>Fire Fighting Media and Instructions</b>	Non-flammable substance.
<b>Special Remarks on Fire Hazards</b>	No additional remark.
<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 an inert material and put the spilled material in an appropriate waste disposal.
<b>Personal Protection in Case of a Large Spill</b>	Full suit. Gloves. Boots. Splash goggles.

#### Section 7. Handling and Storage

<b>Precautions</b>	Avoid contact with skin and eyes. DO NOT ingest.
<b>Incompatibility</b>	acids
<b>Storage</b>	Corrosive materials should be stored in a separate safety storage cabinet or room. 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** Splash goggles.

**Body** Long Pants and Long Sleeves to avoid skin contact.

**Respiratory** Wear appropriate respirator when ventilation is inadequate.

**Hands** Gloves (impervious).

##### Protective Clothing (Pictograms)



**Exposure Limits****Sodium Hydroxide**TWA: 2 (mg/m<sup>3</sup>) from OSHA (PEL)

Consult local authorities for acceptable exposure limits.

**Section 9. Physical and Chemical Properties**

<b>Physical State and Appearance</b>	Liquid	<b>Odor</b>	Characteristic.
<b>Molecular Weight</b>	Not applicable.	<b>Taste</b>	
<b>pH</b>	12.5 to 13.5 [Basic.]	<b>Color</b>	Colorless.
<b>Boiling/Condensation Point</b>	214°F initial		
<b>Melting/Freezing Point</b>	Not available.		
<b>Critical Temperature</b>	Not available.		
<b>Instability Temperature</b>	Not available.		
<b>Specific Gravity</b>	1.08 (Water = 1)		
<b>Vapor Pressure</b>	20mm Hg @ 68°F		
<b>Vapor Density</b>	>1 (Air = 1)		
<b>Volatility</b>	80		
<b>VOC</b>	Not available.		
<b>Evaporation Rate</b>	<1 compared to Water		
<b>Dispersion Properties</b>	Dispersed in cold water, hot water, methanol, diethyl ether, n-octanol, acetone.		
<b>Solubility</b>	Easily soluble in cold water, hot water, methanol, diethyl ether, n-octanol, acetone.		
<b>The Product is:</b>	Non-flammable.		
<b>Auto-ignition Temperature</b>	Not Available		
<b>Flash Points</b>	None to Boiling (TCC)		
<b>Flammable Limits</b>	Non Flammable		
<b>Fire Hazards in Presence of Various Substances</b>	Non-flammable.		
<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>	acids
<b>Hazardous Decomposition Products</b>	not available

### Section 11. Toxicological Information

<b>Routes of Entry</b>	Eye Contact Ingestion. INHALATION Skin contact.
<b>Toxicity to Animals</b>	not available
<b>Acute Effects on Humans</b>	<p><i>Eyes</i> Very hazardous in case of eye contact (irritant, corrosive). Inflammation of the eye is characterized by redness, watering, and itching.</p> <p><i>Skin</i> Very hazardous in case of skin contact (corrosive, irritant). Skin contact may produce burns. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.</p> <p><i>Inhalation</i> Over-exposure by inhalation may cause respiratory irritation.</p> <p><i>Ingestion</i> Very hazardous in case of ingestion. May be fatal if swallowed. May cause burns to mouth, throat, and stomach.</p>
<b>Chronic Effects on Humans</b>	Over-exposure by inhalation may cause respiratory irritation.
<b>Special Remarks on Toxicity to Animals</b>	No additional remark.
<b>Special Remarks on Chronic Effects on Humans</b>	No additional remark.



### Section 12. Ecological Information

<b>Ecotoxicity</b>	Not available.
<b>BOD5 and COD</b>	Not Available
<b>Products of Biodegradation</b>	Not Available
<b>Toxicity of the Products of Biodegradation</b>	as toxic as the original product.
<b>Special Remarks on the Products of Biodegradation</b>	No additional remark.

### Section 13. Disposal Considerations

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

### Section 14. Transport Information

<b>DOT (U.S.A) (Pictograms)</b>		
<b>TDG Classification</b>	8	
<b>PIN UN, Proper Shipping Name, PG</b>	Shipping name: Corrosive liquids n.o.s. UNNA: 1760 PG: II	
<b>Maritime Transportation</b>	Not available.	

Special Provisions for Transport

Not available.

### Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification)

E



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: Corrosive liquid.

USA Regulatory Lists

California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (female) which would require a warning under the statute: Ethylene Oxide < 1ppm  
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Ethylene Oxide < 1 ppm  
Pennsylvania RTK: Propylene Glycol  
Massachusetts RTK: Ethylene Oxide  
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Sodium Hydroxide: immediate health hazard

DSD (EEC)

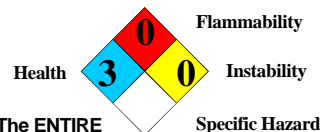
International Regulations Lists

No products were found.

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

Health	3
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 3/20/2004.

Verified by CRushton.

Printed 3/27/2004.

Information Contact

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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.

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