

**WHMIS (Pictograms)**
**WHMIS (Classification)**
**HCS**


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

HCS CLASS: Corrosive liquid.

**Section 1. Chemical Product and Company Identification**

<b>Product Name/ Trade name</b>	<b>Rinse Free Stripper</b>	<b>Code</b>	NC 406
<b>Synonym</b>	Very Aggressive No-Rinse Stripper	<b>CAS #</b>	Not applicable.
<b>Chemical Family</b>	Not available.	<b>Validation Date</b>	5/10/2007
<b>Chemical Formula</b>	Not applicable.	<b>Print Date</b>	5/10/2007
<b>Manufacturer/ Supplier</b>	Network Services Company Schaumburg, IL 60173 (866) 481-6140	<b>In Case of Emergency</b>	<b>For Chemical Emergencies Contact Info Trac (800) 535-5053</b>
<b>TSCA</b>	TSCA Inventory: All components listed or are exempt from listing.		
<b>DSL</b>	DSL : 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>
2-Butoxyethanol	111-76-2	10 - 15	<b>ACGIH (United States).</b> TWA: 20 ppm <b>OSHA (United States).</b> TWA: 50 ppm	ORAL (LD50): Acute: 1746 mg/kg [Rat].
Potassium Hydroxide	1310-58-3	5 - 10	Not available.	Not available.
Sodium Xylene Sulfonate	1300-72-7	<7	Not available.	ORAL (LD50): Acute: 650 mg/kg [Rat]. 5939 mg/kg [Mouse].
Monoethanolamine	141-43-5	1 - 5	TWA: 3 ppm <b>OSHA (United States).</b> TWA: 6 ppm STEL: 6 ppm	Not available.

**Section 3. Hazards Identification**

<b>Potential Acute Health Effects</b>	Corrosive to skin and eyes on contact. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.
<b>Potential Chronic Health Effects</b>	May aggravate existing respiratory conditions such as asthma. Severe over exposure may cause nervous system damage and kidney damage. Repeated or prolonged exposure to the substance may produce liver damage, blood disorders.
<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. 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>	Rinse skin immediately with plenty of water for 15 to 20 minutes.
<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>	Not available.
<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.

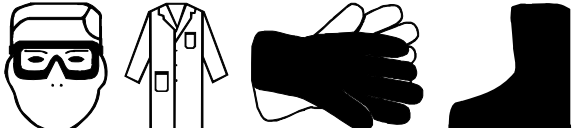
### Section 6. Accidental Release Measures

<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>	Corrosive liquid. Do not touch damaged container or spilled material. Isolate the area, do not attempt to clean-up spill, notify your manager for additional instructions.
<b>Personal Protection in Case of a Large Spill</b>	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

<b>Precautions</b>	After handling, always wash hands thoroughly with soap and water. Do not breathe gas/fumes/ vapor/spray. Do not ingest. Good general ventilation should be sufficient to control airborne levels.
<b>Incompatibility</b>	acids , oxidizing materials, metals
<b>Storage</b>	Corrosive materials should be stored in a separate safety storage cabinet or room. Handle and open container with care. 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>	Good general ventilation should be sufficient to control airborne levels.
<b>Personal Protection</b>	
<i>Eyes</i>	Splash goggles.
<i>Body</i>	Wear overalls or long sleeved shirt and long trousers, nitrile rubber or neoprene gloves, rubber boots.
<i>Respiratory</i>	Wear appropriate respirator when ventilation is inadequate. Be sure to use a MSHA/NIOSH approved respirator or equivalent.
<i>Hands</i>	Gloves (impervious).
<b>Protective Clothing (Pictograms)</b>	

**Exposure Limits****2-Butoxyethanol**

TWA: 25 (ppm)

TWA: 50 (ppm) from OSHA (PEL)

**Monoethanolamine**

TWA: 3 (ppm)

TWA: 6 (ppm) from OSHA (PEL)

STEL: 6 (ppm)

Consult local authorities for acceptable exposure limits.

**Section 9. Physical and Chemical Properties**

<b>Physical State and Appearance</b>	Liquid. (Liquid.)	<b>Odor</b>	Characteristic.
<b>Molecular Weight</b>	Not applicable.	<b>Taste</b>	Not available.
<b>pH</b>	13 to 14 [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>	1.04 (Water = 1)		
<b>Vapor Pressure</b>	20mm Hg @ 68°F		
<b>Vapor Density</b>	>1 (Air = 1)		
<b>Volatility</b>	90		
<b>VOC</b>	Not available.		
<b>Evaporation Rate</b>	<1 compared to Water		
<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>			
<b>Flammable Limits</b>	Not available.		
<b>Fire Hazards in Presence of Various Substances</b>	Non-flammable.		
<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	acids , oxidizing materials, metals
Hazardous Decomposition Products	Will not occur.

## Section 11. Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	<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).
Acute Effects on Humans	<i>Eyes</i> Corrosive to eyes on contact. Eye contact can result in corneal damage or blindness. <i>Skin</i> Corrosive to skin and eyes on contact. Tissue Destruction Possible. Skin contact may produce burns. <i>Inhalation</i> The product is a severe irritant for lungs and respiratory tract. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. <i>Ingestion</i> Harmful if swallowed. Burns to mouth, throat and stomach. May be fatal if swallowed.
Chronic Effects on Humans	May aggravate existing respiratory conditions such as asthma. Severe over exposure may cause nervous system damage and kidney damage. Repeated or prolonged exposure to the substance may produce liver damage, blood disorders.
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

8



PIN UN, Proper Shipping Name, PG Shipping name: Corrosive liquids n.o.s. UNNA: UN1760 PG: II

Maritime Transportation Not available.

Special Provisions for Transport Not available.

## Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) WHMIS Class E: Corrosive liquid. 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: Corrosive liquid.

USA Regulatory Lists

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

DSD (EEC)

R35- Causes severe burns.

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.)

Health	3	0	Flammability
		0	Instability

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 Regulatory Affairs on 5/10/2007.

Verified by Regulatory Affairs.

Printed 5/10/2007.

**Information Contact**

Network Services Company  
Mount Prospect, IL 60056  
(866) 481-6140

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 5/10/2007.

**Rinse Free Stripper**

**Page: 6/6**

**Continued on Next Page**