

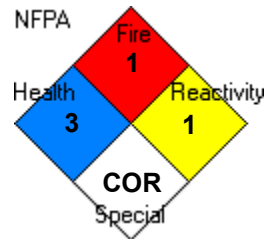
# MSDS - Material Safety Data Sheet

## Product Name: HEAVY DUTY CLEANER DEGREASER

MSDS No.: 556

### I. Basic Information:

**Manufacturer:** U.N.X. INCORPORATED  
**Address:** 707 ARLINGTON BLVD.  
**City, ST Zip:** GREENVILLE, NC 27858  
**Emergency Contact:** CHEMTEL  
**Emergency Telephone Number:** 800-255-3924  
**Contact:** AMENDT; WILSON  
**Information Telephone Number:** 252-756-8616



3	Health
1	Flammability
1	Reactivity
C	Pers. Protection

**Last Update:** 01/02/2002      **Expiration Date:**

**Chemical State:**     Liquid       Gas       Solid

**Chemical Type:**     Pure       Mixture

### II. Ingredients:

Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
34590948	Dipropylene glycol methyl ether	30-35							100ppm	100ppm	
1310583	Potassium hydroxide	10-15							2mg/m3	2mg/m3	
25155300	Sodium dodecylbenzenesulfonate	0-5								10mg/m3	
7732185	Water	50-60									

### III. Hazardous Identification:

**Hazard Category:**

Acute       Chronic       Fire       Pressure       Reactive

**Hazardous Identification Information:**

### IV. First Aid Measures:

**Route(s) of Entry:**

SKIN, EYES, INHALATION

**Health Hazards (Acute and Chronic):**

INHALATION, CAN IRRITATE NOSE, THROAT, AND LUNGS.  
 SKIN CONTACT, CAN CAUSE TISSUE DESTRUCTION.  
 INGESTION, EXTREMELY HIGH TOXICITY. WILL CAUSE BURNS TO MOUTH AND THROAT.

**Signs and Symptoms:**

PRODUCT, CAN BE DESTRUCTIVE TO TISSUE. SKIN BURNS CAN BE PRODUCED. CONTACT WITH EYES CAN CAUSE PERMANENT DAMAGE.

**Medical Conditions Generally Aggravated by Exposure:**

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**Emergency and First Aid Procedures:**

FOR SKIN, FLUSH THOROUGHLY WITH WATER UNTIL "SLIPPERY" FEELING IS GONE.  
FOR EYES, FLUSH WITH WARM WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN.  
IF INGESTED, DRINK LARGE VOLUMES OF WATER FOLLOWED BY MILD ACIDS SUCH AS 5% ACETIC ACID, ORANGE JUICE, OR ANY CITRUS JUICE. DO NOT INDUCE VOMITING. CALL PHYSICIAN.

**Other Health Warnings:**

***V. Fire Fighting Measures:***

**Flash Point:** 79.4°C                      **Lower Explosive Limit:** NO DATA                      **Upper Explosive Limit:** NO DATA

**F.P. Method:** TAG C.C.

**Fire Extinguishing Media:** DRY CHEMICAL; CARBON DIOXIDE FOAMER; OR WATER FOG

**Special Fire Fighting Procedures:**

USE NIOSH/MSHA APPROVED SELF CONTAINED BREATHING APPARATUS WHERE PRODUCT IS INVOLVED IN FIRE.

**Unusual Fire and Explosion:**

AVOID CONTACT WITH ALUMINUM, ZINC, MAGNESIUM, COPPER. EXPLOSIVE HYDROGEN GAS CAN BE RELEASED.

***VI. Accidental Release Measures:***

**Steps to be Taken in Case Material is Released or Spilled:**

FOR A SMALL SPILL, IMMEDIATELY HOSE DOWN WITH COOL WATER AND DISPOSE DOWN DRAIN.  
FOR LARGE SPILLS, DIKE, COLLECT AND ADD SLOWLY TO A LARGE VOLUME OF COOL WATER WITH CONSTANT STIRRING. THEN SLOWLY NEUTRALIZE TO A pH OF 7.0 WITH MURATIC OR PHOSPHORIC ACID SOLUTIONS. DISPOSE OF DOWN DRAIN AFTER APPROVAL OF APPROPRIATE AUTHORITIES. CLEAN AND NEUTRALIZE ALL AREAS OF CONTACT.

***VII. Handling and Storage:***

**Precautions to be Taken:**

EMPTY DRUMS MUST BE TREATED AS HAZARDOUS BECAUSE OF RESIDUES. STORE IN A DRY PLACE. DO NOT STORE WITH STRONG ACIDS. KEEP CONTAINER CLOSED.

**Other Precautions:**

AVOID MIXING WITH OTHER LAUNDRY CHEMICALS.

***VIII. Exposure Controls/Personal Protection:***

**Ventilation Requirements:**

AVOID BREATHING MIST. IF EXPOSURE IS LIKELY, USE FILTER OR PROTECTIVE RESPIRATOR. MECHANICAL VENTILATION IS ACCEPTABLE.

**Personal Protective Equipment:**

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RUBBER GLOVES SHOULD BE WORN.  
SAFETY GOGGLES SHOULD BE WORN.  
OTHER PROTECTIVE MEASURES: HAVE AN EYE BATH AND SAFETY SHOWER CLOSE BY. IF POTENTIAL FOR SKIN CONTACT, HAVE AN ACID HAND WASH NEAR BY (ie. VINEGAR SOLUTION.).  
WORK HYGIENIC PRACTICES: WASH HANDS, CHANGE OUT OF CLOTHES AS SOON AS POSSIBLE. WASH CLOTHES. SHOWER OR BATHE AS SOON AS POSSIBLE.

### ***IX. Physical and Chemical Properties:***

**Boiling Point:** 184°C

**Melting Point:** N/A

**Evaporation Rate (Butyl Acetate = 1):** NO DATA

**Vapor Pressure (mm Hg.):** 0.41

**Specific Gravity (H2O = 1):** 1.05000

**Vapor Density (AIR = 1):** 5.41

**Solubility In Water:** EXCELLENT

**Appearance and Odor:** DARK AMBER LIQUID, SOLVENT ODOR

**Other Information:** CLEANER, DEGREASER  
THIS PRODUCT CONTAINS NO PHOSPHATES

### ***X. Stability and Reactivity:***

**Stability:**

VERY STABLE

**Incompatibility (Materials to Avoid):**

AVOID CONTACT WITH ACIDS AND OTHER LAUNDRY CHEMICALS. STRONG DECOMPOSITION REACTION CAN RESULT

**Decomposition/By Products:**

AVOID CONTACT WITH ALUMINUM, ZINC, MAGNESIUM, COPPER. EXPLOSIVE HYDROGEN GAS CAN BE RELEASED.

**Hazardous Polymerization:**

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

### ***XI. Toxicological Information:***

CONTACT U.N.X. INCORPORATED

### ***XII. Ecological Information:***

CONTACT U.N.X. INCORPORATED

### ***XIII. Disposal Considerations:***

FOR A SMALL SPILL, IMMEDIATELY HOSE DOWN WITH COOL WATER AND DISPOSE DOWN DRAIN.  
FOR LARGE SPILLS, DIKE, COLLECT AND ADD SLOWLY TO A LARGE VOLUME OF COOL WATER WITH CONSTANT STIRRING. THEN SLOWLY NEUTRALIZE TO A pH OF 7.0 WITH MURATIC OR PHOSPHORIC ACID SOLUTIONS. DISPOSE OF DOWN DRAIN AFTER APPROVAL OF APPROPRIATE AUTHORITIES. CLEAN AND NEUTRALIZE ALL AREAS OF CONTACT.

### ***XIV. Transport Information:***

NA 1760

DOT HAZARD CLASS: 8

LABEL: CORROSIVE

PG: II

PROPER SHIPPING NAME: COMPOUND, CLEANING LIQUID, (POTASSIUM HYDROXIDE)

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### ***XV. Regulatory Information:***

UNLESS OTHERWISE NOTED, NO COMPONENTS ARE SARA TITLE 3 SECTION 313 40 CFR LISTED MATERIALS.  
THE INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.  
THIS PRODUCT IS NOT MADE WITH VOC'S THAT COULD CAUSE DAMAGE TO THE OZONE LAYER.

### ***XVI. Other Information:***