

# MATERIAL SAFETY DATA SHEET

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## HEAVY DUTY CLEANER SECTION 1: GENERAL INFORMATION

<b>PRODUCT NAME</b>	HEAVY DUTY CLEANER	<b>DATE PREPARED</b>	JULY 23-98
<b>CHEMICAL NAME &amp; SYNONYMS</b>	CHEMICAL BLEND	<b>SUPERSEDES</b>	SEPT-10-97
<b>CHEMICAL FAMILY</b>	ALKALINE	<b>24 HOUR EMERGENCY ASSISTANCE</b>	CHEMTREC 1-800-424-9330
<b>FORMULA</b>	PROPRIETARY		

## SECTION II: PHYSICAL DATA

<b>pH (1% SOLUTION)</b>	11.5	<b>SOLUBILITY IN WATER</b>	COMPLETE
<b>BOILING RANGE</b>	212 F	<b>EVAPORATION RATE (WATER = 1)</b>	LESS THAN 1
<b>% VOLATILE BY VOLUME</b>	91.0%		
<b>SPECIFIC GRAVITY</b>	1.05		
<b>APPEARANCE &amp; ODOR</b>	CLEAR RED LIQUID WITH A SLIGHT SOLVENT ODOR		

## SECTION III: HAZARDOUS INGREDIENTS

PRINCIPAL HAZARDOUS COMPOUNDS	%	THRESHOLD LIMIT VALUE ( UNITS)
SODIUM HYDROXIDE	LESS THAN 5	2MG/CUBIC METER
ALKYL ARYL POLYETHOXY ALCOHOL	LESS THAN 5	NOT EST. (SEVERE EYE IRRITANT)
2-BUTOXYETHANOL	LESS THAN 5	25PPM (SKIN)

## SECTION IV: FIRE & EXPLOSION HAZARD DATA

<b>FLASH POINT (TEST METHOD)</b>	DOES NOT FLASH
<b>FLAMMABILITY LIMITS</b>	NA
<b>EXTINGUISHING MEDIA</b>	NA
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	NA
<b>FIRE AND EXPLOSION HAZARDS</b>	NONE

## SECTION V: HEALTH HAZARD DATA

<b>ACGIH THRESHOLD LIMIT VALUE</b>	NOT ESTABLISHED FOR MIXTURE
<b>CARCINOGEN - NTP PROGRAM</b>	NO
<b>CARCINOGEN - IARC PROGRAM</b>	NO
<b>PRIMARY ROUTES OF ENTRY</b>	CAN BE EXTREMELY IRRITATING TO THE EYES UPON DIRECT CONTACT. PROLONGED SKIN CONTACT MAY CAUSE IRRITATION. INHALATION OF HIGH MIST CONCENTRATION MAY BE IRRITATING TO NOSE AND THROAT. HARMFUL IS SWALLOWED. MAY CAUSE BURNS TO MOUTH AND THROAT.
<b>CHRONIC HEALTH HAZARDS</b>	NONE KNOWN
<b>EMERGENCY FIRST AID</b>	EYES: FLUSH THOROUGHLY WITH WATER FOR 15 MINUTES AND CALL PHYSICIAN. SKIN: FLUSH THOROUGHLY WITH WATER FOR 15 MINUTES. INHALATION: REMOVE TO FRESH AIR. TREAT SYMPTOMATICALLY INGESTION: DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY. IF AVAILABLE, ONE PART VINEGAR TO ONE PART WATER.

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HEAVY DUTY CLEANER

**SECTION V: HEALTH HAZARD DATA (Cont'd)**

**SECTION 313 SUPPLIER NOTIFICATION**

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND 40CFR372:

CAS#	CHEMICAL NAME	PERCENT BY WEIGHT
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**SECTION VI: REACTIVITY DATA**

<b>STABILITY</b>	STABLE	<b>CONDITIONS TO AVOID</b>	NA
<b>MATERIALS TO AVOID</b>	ALUMINUM, TIN LEAD ZINC AND THEIR ALLOYS, ALL ACIDS	<b>HAZARDOUS POLYMERIZATION</b>	WILL NOT OCCUR
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	AQUEOUS SOLUTIONS MAY LIBERATE HYDROGEN UPON REACTION WITH METALS LISTED ABOVE		

**SECTION VII: ENVIRONMENTAL PROTECTION**

<b>SPILL RESPONSE</b>	AVOID CONTACT WITH SKIN, EYES OR CLOTHES, WEAR PROTECTIVE EQUIPMENT. SWEEP UP ALL POSSIBLE MATERIAL AND RECONTAINERIZE. FLUSH WITH LARGE QUANTITIES OF WATER. NEUTRALIZE WITH DILUTE ACID. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
<b>WASTE DISPOSAL METHOD</b>	FOLLOW FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING HEALTH AND POLLUTION.

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

<b>EYE PROTECTION</b>	CHEMICAL SAFETY GOGGLES	<b>SKIN PROTECTION</b>	RUBBER PVC OR NEOPRENE GLOVES
<b>RESPIRATORY PROTECTION</b>	NIOSH APPROVED FOR DUST	<b>VENTILATION RECOMMENDED</b>	GENERAL
<b>OTHER PROTECTION</b>	RUBBER APRON AND BOOTS		

**SECTION IX: SPECIAL PRECAUTIONS**

<b>HANDLING &amp; STORAGE PRECAUTIONS</b>	WARNING!! CORROSIVE SOLID!! MAY CAUSE BURNS TO SKIN AND EYES. AVOID CONTACT IN ALL FORMS. IN CASE OF CONTACT WITH EYE OR SKIN, FLUSH WITH WATER FOR 15 MINUTES AND GET MEDICAL ATTENTION IF IRRITATION PERSISTS. IF SWALLOWED, DRINK LARGE QUANTITIES OF WATER OR MILK AND GET MEDICAL ATTENTION IMMEDIATELY LAUNDRER CONTAMINATED CLOTHING BEFORE USE.
<b>OTHER PRECAUTIONS</b>	HEAT IS GENERATED WHEN POWDER IS DISSOLVED IN WATER. BOILING AND SPATTERING OF HOT SOLUTION MAY RESULT.

The information provided in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the users responsibility to determine the suitability of this information for the information for the adoption of safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The information contained herein is furnished without warranty of any kind.