

MATERIAL SAFETY DATA SHEET

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EXTREME DUTY DEGREASER SECTION 1: GENERAL INFORMATION

PRODUCT NAME	EXTREME DUTY DEGREASER	DATE PREPARED	JULY 23-98
CHEMICAL NAME & SYNONYMS	CHEMICAL BLEND	SUPERSEDES	SEPT-10-97
CHEMICAL FAMILY	ALKALINE	24 HOUR	CHEMTREC
FORMULA	PROPRIETARY	EMERGENCY ASSISTANCE	1-800-424-9330

SECTION II: PHYSICAL DATA

pH (1% SOLUTION)	11.5	SOLUBILITY IN WATER	APPRECIABLE
BOILING RANGE	212F AND ABOVE	EVAPORATION RATE (WATER = 1)	NA
% VOLATILE BY VOLUME	90.0%		
SPECIFIC GRAVITY	1.05		
APPEARANCE & ODOR	CLEAR RED LIQUID WITH A LIGHT SOLVENT ODOR		

SECTION III: HAZARDOUS INGREDIENTS

PRINCIPAL HAZARDOUS COMPOUNDS	%	THRESHOLD LIMIT VALUE (UNITS)
SODIUM METASILICATE	1.0-5.0%	NOT EST. (IRRITANT)
SODIUM HYDROXIDE	1.0-10.0%	2MG/CUBIC METER

SECTION IV: FIRE & EXPLOSION HAZARD DATA

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

SECTION V: HEALTH HAZARD DATA

ACGIH THRESHOLD LIMIT VALUE	NOT ESTABLISHED FOR MIXTURE
CARCINOGEN - NTP PROGRAM	NO
CARCINOGEN - IARC PROGRAM	NO
PRIMARY ROUTES OF ENTRY	CAN BE EXTREMELY IRRITATING TO THE EYES UPON DIRECT CONTACT. PROLONGED SKIN CONTACT MAY CAUSE IRRITATION AND BURNS. INHALATION OF HIGH MIST CONCENTRATION MAY BE IRRITATING TO NOSE AND THROAT. HARMFUL IF SWALLOWED. MAY CAUSE BURNS TO MOUTH AND THROAT
CHRONIC HEALTH HAZARDS	NONE KNOWN
EMERGENCY FIRST AID	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: CALL A PHYSICIAN IMMEDIATELY. DILUTE BY DRINKING 2 GLASSES OF WATER

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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

STABILITY	STABLE	CONDITIONS TO AVOID	NA
MATERIALS TO AVOID	STRONG ACIDS, ALUMINUM AND OTHER SOFT METALS	HAZARDOUS POLYMERIZATION	WILL NOT OCCUR
HAZARDOUS DECOMPOSITION PRODUCTS	CARBON MONOXIDE FORM THERMAL DECOMPOSITION		

SECTION VII: ENVIRONMENTAL PROTECTION

SPILL RESPONSE	AVOID CONTACT WITH SKIN, EYES OR CLOTHES. WEAR PROTECTIVE EQUIPMENT. DIKE AND CONTAIN SPILLED MATERIAL. COLLECT LIQUID WITH AN INERT ABSORBENT AND TRANSFER TO A CONTAINER FOR REUSE OR DISPOSAL. FLUSH RESIDUE AWAY WITH LARGE QUANTITIES OF WATER, SMALL SPILLS MAY BE NEUTRALIZED WITH A DILUTE ACID AND FLUSHED TO A SANITARY SEWER
WASTE DISPOSAL METHOD	FOLLOW FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING HEALTH AND POLLUTION.

SECTION VIII: SPECIAL PROTECTION INFORMATION

EYE PROTECTION	CHEMICAL SAFETY GOGGLES	SKIN PROTECTION	RUBBER PVC OR NEOPRENE GLOVES
RESPIRATORY PROTECTION	NONE REQUIRED UNDER NORMAL USE	VENTILATION RECOMMENDED	GENERAL
OTHER PROTECTION	RUBBER BOOTS, RUBBER APRON OR COVERALLS		

SECTION IX: SPECIAL PRECAUTIONS

HANDLING & STORAGE PRECAUTIONS	WARNING!! ALKALINE LIQUID. AVOID CONTACT WITH SKIN, EYES OR CLOTHING, IN CASE OF CONTACT WITH EYES, FLUSH WITH WATER FOR 15MINUTES AND GET MEDICAL ATTENTION IF IRRITATION PERSISTS. AVOID BREATHING DUST OR MIST. WHEN HANDLING WEAR GOGGLES, FACE SHIELD, RUBBER GLOVES, APRON AND PROTECTIVE CLOTHING. REMOVE CLOTHING AND SHOES; WASH BEFORE REUSING. IF INGESTED DO NOT INDUCE VOMITING.
OTHER PRECAUTIONS	KEEP CLOSURES TIGHT AND UPRIGHT WHEN NOT USING PRODUCT. KEEP OUT OR REACH OF CHILDREN.

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 if furnished without warranty of any kind.