

MSDS-HAZE REMOVER

MATERIAL SAFETY DATA SHEET

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PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HAZE REMOVER
PRODUCT CODE: NO-500

TEE SQUARES (ANC)

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EMERGENCY INFORMATION: DAY OR NIGHT: CHEMTREC (800) 424-9300

PRODUCT INFORMATION

GENERIC FAMILY: MIXTURE OF ESTERS, GLYCOL ETHERS AND ALKALIS

PROPER SHIPPING NAME: UN/NA 1823

DOT HAZARD CLASSIFICATION: CORROSIVE LIQUID

PRECAUTIONARY WARNING

STRONG CORROSIVE ACTION ON CONTACT WITH TISSUES. INHALATION OF DUST MAY CAUSE DAMAGE TO UPPER RESPIRATORY TRACT AND THE LUNG ITSELF PRODUCING FROM MILD NOSE IRRITATION TO PNEUMONITIS. CONTACT WITH EYES CAN CAUSE SEVERE AND PERMANENT DAMAGE. CORROSIVE TO SKIN. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. USE CHEMICAL SPLASH GOGGLES AND RUBBER GLOVES WHEN USING THIS MATERIAL. SWALLOWING THIS MATERIAL WILL CAUSE SEVERE DAMAGE TO MUCOUS MEMBRANES; SEVERE SCAR FORMATION AND PERFORATION MAY OCCUR.

SECTION 1 COMPONENTS

COMPONENTS:	PERCENT	EXPOSURE LIMIT	UNIT:
1. SODIUM HYDROXIDE (CAS# 1310-73-2)	15%	NOT PERTINENT	PPM
2. MIXTURE OF GLYCOL ETHERS (CAS# N/A MIXTURE)	30% APPROX	25 (VAPOR ONLY)	PPM- OSHA TLV

THIS PRODUCT CONTAINS INGREDIENTS THAT ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SARA 31 AND CFR 372.

AN IMMEDIATE HEALTH HAZARD

A DELAYED HEALTH HAZARD

A FIRE HAZARD

SECTION 2 EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: MOVE VICTIM AWAY FROM EXPOSURE AND INTO FRESH AIR. FLUSH EYES IMMEDIATELY WITH COPIOUS AMOUNTS OF WATER, AND SEEK MEDICAL ATTENTION. FOR DIRECT CONTACT FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION.

SKIN CONTACT: REMOVE CONTAMINATED CLOTHING AND CLEAN AFFECTED AREA WITH SOAP AND WATER. STRONG CORROSIVE ACTION IF IN CONTACT WITH SKIN. SEEK MEDICAL ATTENTION.

INHALATION (BREATHING): MOVE VICTIM AWAY FROM EXPOSURE AND INTO FRESH AIR. IF RESPIRATORY OR OTHER SYMPTOMS OF EXPOSURE DEVELOP, SEEK MEDICAL ATTENTION. IF VICTIM IS NOT BREATHING, IMMEDIATELY BEGIN ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULTIES DEVELOP, OXYGEN SHOULD BE ADMINISTERED BY QUALIFIED PERSONNEL.

INGESTION (SWALLOWING): ASPIRATION HAZARD: DO NOT INDUCE VOMITING. GIVE WATER OR MILK, FOLLOWED BY DILUTE VINEGAR OR FRUIT JUICE. THIS MATERIAL CAN ENTER LUNGS AND CAUSE LUNG DAMAGE. DO NOT LEAVE VICTIM UNATTENDED. SEEK MEDICAL ATTENTION.

SECTION 3 HEALTH HAZARDS/ROUTES OF ENTRY

EYE CONTACT: THIS MATERIAL CAN CAUSE SEVERE EYE DAMAGE WHEN IN CONTACT WITH THE LIQUID. PROLONGED CONTACT WITH MIST OR VAPORS MAY CAUSE STINGING, TEARING, REDNESS, SWELLING AND BLURRED VISION.

SKIN CONTACT: THIS MATERIAL CAN CAUSE SEVERE BURNS IN CONTACT WITH SKIN. EXCESSIVE EXPOSURE MAY CAUSE HEMOLYSIS, THEREBY IMPAIRING THE BLOOD'S ABILITY TO TRANSPORT OXYGEN. THE LD50 FOR SKIN ABSORPTION IN RABBITS IS 220 mg/kg. REPEATED MINOR EXPOSURE MAY RESULT IN ABSORPTION OF HARMFUL AMOUNTS.

INHALATION (BREATHING): A SINGLE PROLONGED (HOURS) EXCESSIVE INHALATION EXPOSURE MAY CAUSE ADVERSE EFFECTS. EXCESSIVE EXPOSURE MAY CAUSE IRRITATION OF UPPER RESPIRATORY TRACT. OBSERVATION IN ANIMALS INCLUDE BLOOD, KIDNEY AND LIVER EFFECTS. THE LC50 FOR RATS IS 700 PPM IN 7 HOURS.

INGESTION (SWALLOWING): THIS MATERIAL CAN CAUSE STRONG CORROSIVE ACTION IN CONTACT WITH TISSUES. CAUSES SEVERE DAMAGE TO MUCOUS MEMBRANES, SEVERE SCAR FORMATION, OR PERFORATION.

COMMENTS: THIS MATERIAL HAS NOT BEEN IDENTIFIED AS A CARCINOGEN BY NTP, IARC OR OSHA.

SECTION 4 SPECIAL PROTECTION INFORMATION

VENTILATION: MAINTAIN ADEQUATE VENTILATION TO KEEP AIRBORNE CONCENTRATIONS BELOW THE ESTABLISHED EXPOSURE LIMITS (SEE SECTION 1). WEAR ORGANIC VAPOR SAFETY MASK IF EXPOSURE EXCEEDS TLV.

RESPIRATORY PROTECTION: THE USE OF RESPIRATORY PROTECTION IS ADVISED WHEN CONCENTRATIONS EXCEED THE ESTABLISHED EXPOSURE LIMITS (SEE SECTION 1).

WEAR CHEMICAL SPLASH GOGGLES, FACE SHIELD, PROTECTIVE ELBOW-LENGTH GLOVES, CHEMICALLY RESISTANT APRON WHEN USING THIS MATERIAL.

PROTECTIVE GLOVES: THE USE OF PROTECTIVE GLOVES IMPERMEABLE TO SOLVENTS IS RECOMMENDED TO PREVENT SKIN CONTACT, POSSIBLE IRRITATION OR SKIN DAMAGE.

EYE PROTECTION: APPROVED EYE PROTECTION TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION OR INJURY IS RECOMMENDED.

OTHER PROTECTIVE EQUIPMENT: EYE WASH FACILITIES SHOULD BE AVAILABLE IN THE WORK AREA. DISCARD CONTAMINATED CLOTHING.

SECTION 5 REACTIVITY DATA

REACTIVITY: DISSOLVES IN WATER WITH LIBERATION OF HEAT. ATTACKS METALS SUCH AS ALUMINUM, TIN, LEAD AND ZINC TO PRODUCE FLAMMABLE HYDROGEN GAS.

INCOMPATIBLE MATERIALS: THIS PRODUCT IS INCOMPATIBLE WITH STRONG ACIDS AND OXIDIZERS.

HAZARDOUS DECOMPOSITIONS PRODUCTS: COMBUSTION MAY YIELD CARBON DIOXIDE AND CARBON MONOXIDE. HYDROGEN GAS MAY EVOLVE IN CONTACT WITH SOME METALS.

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

SECTION 6 SPILL, LEAK AND DISPOSAL INFORMATION

*** HIGHWAY OR RAILWAY SPILLS*** CALL CHEMTRC (800) 424-9300***

PRECAUTIONS IN CASE OF RELEASE OR SPILL: MAY IGNITE. KEEP ALL SOURCES OF IGNITION AWAY FROM SPILL/RELEASE. STAY UPWIND FROM SPILL. USE RUBBER SHOVEL FOR CLEAN UP.

WEAR APPROPRIATE PROTECTIVE EQUIPMENT INCLUDING RESPIRATORY PROTECTION AS CONDITIONS WARRANT (SEE SECTION 5). PROTECT CONTAINERS AGAINST PHYSICAL DAMAGE. THE USE OF RESPIRATORY PROTECTION IS ADVISED WHEN CONCENTRATIONS EXCEED ESTABLISHED EXPOSURE LIMITS. PREVENT SPILLED MATERIAL FROM ENTERING INTO SEWERS, STORM DRAINS OR OTHER UNAUTHORIZED TREATMENT DRAINAGE SYSTEMS AND NATURAL WATERWAYS. SPILLED MATERIAL MAY BE ABSORBED INTO AN APPROPRIATE ABSORBENT MATERIAL. WASTE DISPOSAL METHOD: DISPOSE OF PRODUCT IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 7 STORAGE AND SPECIAL PRECAUTIONS

HANDLING AND STORING PRECAUTIONS: USE AND STORE THIS MATERIAL IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM HEAT. KEEP CONTAINERS CLOSED. WASH AFTER USING. USE GOOD PERSONAL HYGIENE PRACTICE.

WASH THOROUGHLY AFTER HANDLING. "EMPTY" CONTAINERS RETAIN RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT OR WELD, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, OR OTHER SOURCES OF IGNITION, THEY MAY EXPLODE AND CAUSE INJURY. BEFORE WORKING ON OR IN TANKS WHICH CONTAIN OR HAVE CONTAINED THIS PRODUCT, REFER TO OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS, ANSI Z49.1, AND OTHER GOVERNMENTAL AND INDUSTRIAL REFERENCES PERTAINING TO CLEANING, REPAIRING, WELDING OR OTHER CONTEMPLATED OPERATIONS.

SECTION 8 FIRE AND EXPLOSION HAZARD DATA

HAZARD RANKING			
NFPA	HEALTH HAZARD:	3 *	0 - LEAST
HAZARD	FLAMMABILITY:	2	1 - SLIGHT
CLASS	REACTIVITY:	2	2 - MODERATE
			3 - HIGH
			4 - EXTREME

* - CHRONIC HEALTH EFFECTS

LOWER EXPLOSIVE LIMITS (% VOL.)

1.1

UPPER EXPLOSIVE LIMIT (% VOL.)

10.6

FLASH POINT: 150° F (TCC)

EXTINGUISHING MEDIA: DRY CHEMICAL, CARBON DIOXIDE, HALON, POLAR OR ALCOHOL FOAM.

UNUSUAL FIRE AND EXPLOSION HAZARDS: THIS MATERIAL CAN BURN, AND FORM EXPLOSIVE MIXTURES. IF CONTAINER IS NOT PROPERLY COOLED, IT MAY EXPLODE IN THE HEAT OF A FIRE. VAPORS ARE HEAVIER THAN AIR AND MAY ACCUMULATE IN LOW AREAS.

SPECIAL FIRE FIGHTING PROCEDURES: WEAR APPROPRIATE PROTECTIVE EQUIPMENT, INCLUDING RESPIRATORY PROTECTION, AS CONDITIONS WARRANT (SEE SECTION 4). STOP SPILL/RELEASE IF IT CAN BE DONE WITHOUT RISK. WATER SPRAY MAY BE USEFUL IN MINIMIZING OR DISPERSING VAPORS AND COOLING EQUIPMENT EXPOSED TO HEAT AND FLAME. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES.

SECTION 9 PHYSICAL DATA

**UNLESS OTHERWISE NOTED, VALUES ARE AT 20° C/68° F AND 760 mm Hg/1 atm.

AIR = 1 (N-BUTYL ACETATE = 1)

APPROX BOILING POINT	VAPOR DENSITY	EVAPORATION RATE	% VOLATILE
212 - 340° F	4.10	N/A	50% APPROX.

% SOLUBILITY IN WATER	VAPOR PRESSURE (mm Hg)
95.0	0.88 @ 25° C

SPECIFIC GRAVITY	APPROX. BULK DENSITY (lb/gal)
1.25	10.5 - 11.0

APPEARANCE: OFF-WHITE TO LIGHT BROWN PASTE WITH ETHER-LIKE ODOR.

SECTION 10 USER'S RESPONSIBILITY

A BULLETIN SUCH AS THIS CANNOT BE EXPECTED TO COVER ALL POSSIBLE SITUATIONS. AS THE USER HAS THE RESPONSIBILITY TO PROVIDE A SAFE WORKPLACE, ALL ASPECTS OF AN INDIVIDUAL OPERATION SHOULD BE EXAMINED TO DETERMINE IF, OR WHERE, PRECAUTIONS - IN ADDITION TO THOSE DESCRIBED HEREIN - ARE REQUIRED. ANY HEALTH HAZARD AND SFETY INFIRMATION CONTAINED HEREIN SHOULD BE PASSED ON TO YOUR CUSTOMERS OR EMPLOYEES, AS THE CASE MAY BE. STANDARD SCREEN SUPPLY CORP. MUST RELY ON THE USER TO UTILIZE THE INFORMATION WE HAVE SUPPLIED TO DEVELOP WORK PRACTICE GUIDELINES AND EMPLOYEE INSTRUCTIONAL PROGRAMS FOR THE INDIVIDUAL OPERATION.

DISCLAIMER OF LIABILITY

THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. ALL CHEMICALS MAY PRESENT UNKNOWN HEALTH HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS WHICH EXIST. FINAL DETERMINATION OF SUITABILITY OF THE CHEMICAL IS THE SOLE RESPONSIBILITY OF THE USER. USERS OF ANY CHEMICAL SHOULD SATISFY THEMSELVES THAT THE CONDITIONS AND METHODS OF USE ASSURE THAT THE CHEMICAL IS USED SAFELY. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A

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