

# MATERIAL SAFETY DATA SHEET

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## SECTION I PRODUCT IDENTIFICATION

Trade Name	<i>Stripper/Remover HD</i>		
Chemical Family	N/A, Mixture		
NFPA Ratings (Hazard ID)	Health 3	Fire 1	Reactivity 0
HMS Ratings (Hazard ID)	Health 3	Fire 1	Reactivity 0
<b>Warning! Combustible Liquid. Keep containers (with material or empty) away from sparks, excessive heat, flames, welding. Irritant to skin, eyes. May be fatal if ingested or overexposed. Harmful to lungs, central nervous system, mucous membrane, possibly blood, kidney, liver and reproductive system. Spill may create slipping hazard.</b>			

## SECTION II INGREDIENTS, LIMITS AND TOXICOLOGICAL INFORMATIONS\*

INGREDIENT	Dichloromethane	Methyl Alcohol	Solvent Naptha (Petroleum) Light Aromatic		
CAS#	75-09-2	67-23-1	64742-95-6		
ACGIH TLV/TWA	500 PPM	200 PPM	NA		
ACGIH TLV/STEL					
OSHA PEL/TWA					
OSHA PEL/STEL					
LD50, Oral					
LD 50, Dermal					
LD 50, Inhalation					
PCT BY WT:					

## SECTION III PHYSICAL DATA

Physical State	LIQUID	Specific Gravity	1.08
Appearance	Thick, semi-paste consistency	VOC, Calculated	
Odor	Characteristic odor	pH	
Boiling Range	103-230 °F	Freezing Point	N/A
Vapor Pressure	Unknown	Water Solubility	Unknown

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Lowest Closed Cup Flashpoint	
OSHA Flammability Classification	
Lower Flammable Limit in Air	Unknown
Flash Points	Above 140 °F TTC
Mechanical Impact Explosion	
Static Electricity Explosion	
EXTINGUISHING MEDIA	

### UNUSUAL FIRE AND EXPLOSION HAZARDS:

THIS PRODUCT IS NONFLAMMABLE AND NON-EXPLOSIVE UNDER NORMAL CONDITIONS OF USE. AT HIGH TEMPERATURES DECOMPOSES TO GIVE OFF HYDROCHLORIC ACID AS GAS PLUS OTHER TOXIC AND IRRITATING VAPORS SUCH AS PHOSGENE. IF STORAGE CONTAINERS ARE EXPOSED TO EXCESSIVE HEAT, OVERPRESSURIZATION OF THE CONTAINERS CAN RESULT.

### SPECIAL FIRE FIGHTING PROCEDURES:

FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED. WATER SPRAY MAY BE INEFFECTIVE. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTO-IGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT.

**SECTION V HEALTH HAZARD DATA**

**EFFECTS OF EXCESSIVE OVEREXPOSURE-PRIMARY ROUTES OF ENTRY ARE:**

**PRIMARY ROUTE(S) OF ENTRY:**



INHALATION



SKIN



INGESTION

**SKIN CONTACT:**

MILDLY IRRITATING TO SKIN. MAY PRODUCE A BURNING SENSATION. PROLONGED OR REPEATED CONTACT MAY CAUSE SKIN TO BECOME REDDENED, ROUGH, AND DRY DUE TO THE REMOVAL OF NATURAL OILS AND MAY RESULT IN DERMATITIS. THIS PRODUCT MAY BE ABSORBED THROUGH THE SKIN, ALTHOUGH NOT EXPECTED TO PRODUCE TOXICITY BY THIS ROUTE.

**INHALATION:**

EXCESSIVE INHALATION MAY PRODUCE SYMPTOMS OF CENTRAL NERVOUS SYSTEM DEPRESSION, RANGING FROM LIGHT-HEADEDNESS, NAUSEA AND VOMITING TO UNCONSCIOUSNESS AND DEATH. INHALATION MAY CAUSE RESPIRATORY IRRITATION, TRANSIENT PULMONARY EDEMA AND LIVER DAMAGE.

**INGESTION:**

MAY CAUSE NAUSEA, VOMITING, DIARRHEA, LIVER DAMAGE AND CENTRAL NERVOUS SYSTEM DEPRESSION. IF VOMITING RESULTS IN ASPIRATION, CHEMICAL PNEUMONIA COULD FOLLOW.

**MEDICAL CONDITIONS THAT MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT:**

PREEXISTING EYE, SKIN, LIVER, KIDNEY AND RESPIRATORY DISORDERS.

**EMERGENCY AND FIRST AID PROCEDURES:**

IN CASE OF EYE CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION; FOR SKIN, WASH THOROUGHLY WITH SOAP AND WATER. IF AFFECTED BY INHALATION OF VAPORS OR SPRAY MIST, REMOVE TO FRESH AIR. IF SWALLOWED, GET MEDICAL ATTENTION IMMEDIATELY.

**OTHER HEALTH HAZARDS:**

LABORATORY ANIMALS EXPOSED TO HIGH DOSES OF METHYLENE CHLORIDE SHOWED SLIGHT LIVER, KIDNEY CHANGES, BENIGN AND MALIGNANT TUMOR.

**SECTION VI REACTIVITY DATA**

**STABILITY:**

STABLE

**CONDITIONS TO AVOID:**

OPEN FLAMES, WELDING ARCS, OR OTHER HIGH TEMPERATURE SOURCES, STRONG UV LIGHT, STRONG OXIDIZING AGENTS.

**INCOMPATIBILITY (MATERIAL TO AVOID):**

OXIDIZING MATERIALS, ALUMINUM, POTASSIUM, SODIUM, MAGNESIUM, ZINC OR METALS THAT DISPLACE HYDROGEN, RUBBER AND RUBBER BASED COATINGS, CHROMIC ANHYDRIDE, LEAD PERCHLORATE AND PERCHLORIC ACIDS.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

CARBON DIOXIDE, CARBON MONOXIDE, HYDROGEN CHLORIDE (HCL), PHOSGENE, FORMALDEHYDE, AND REACTIVE HYDROCARBONS.

**SECTION VII SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

REMOVE ALL SOURCES OF IGNITION (FLAMES, HOT SURFACES, AND ELECTRICAL, STATIC, OR FRICTIONAL SPARKS). AVOID BREATHING VAPORS. VENTILATE AREA. CONTAIN AND REMOVE WITH INERT ABSORBENT AND NON-SPARKING TOOLS.

**WASTE DISPOSAL METHOD:**

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS. INCINERATE IN APPROVED FACILITY

**SECTION VIII SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION:**

DON'T BREATHE VAPORS. WEAR AN APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING USE OF THIS PRODUCT UNTIL VAPORS ARE EXHAUSTED, UNLESS AIR MONITORING DEMONSTRATES VAPOR LEVELS ARE BELOW APPLICABLE LIMITS FOLLOW RESPIRATOR MANUFACTURER'S DIRECTIONS FOR RESPIRATOR USE. OBSERVE ANSI STANDARD Z1 17.7-1977.

**VENTILATION:**

PROVIDE GENERAL CLEAN AIR DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP THE AIR CONTAMINANT CONCENTRATION BELOW THE LOWER EXPLOSION LIMIT AND BELOW CURRENT APPLICABLE EXPOSURE LIMITS. REFER TO OSHA STANDARD 1910.94.

**PROTECTIVE GLOVES:**

USE SOLVENT IMPERMEABLE GLOVES TO AVOID CONTACT WITH PRODUCT.

**EYE PROTECTION:**

DO NOT GET IN EYES. USE SAFETY EYEWEAR WITH SPLASH GUARDS OR SIDE SHIELDS, CHEMICAL GOGGLES, FACE SHIELDS. DO NOT WEAR CONTACT LENSES WHEN WORKING AROUND THIS PRODUCT.

**OTHER PROTECTIVE EQUIPMENT:**

DO NOT GET ON SKIN. USE IMPERMEABLE PROTECTIVE CLOTHING. PREVENT SKIN CONTACT WITH CONTAMINATED CLOTHING. WASH CLOTHING BEFORE REUSE. THOROUGHLY CLEAN CONTAMINATED CLOTHING. WASH BEFORE REUSE. THOROUGHLY CLEAN CONTAMINATED SHOES. EYE BATH AND SAFETY SHOWER SHOULD BE AVAILABLE.

**SECTION IX SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**  
 DO NOT PRESURIZE, CUT, WELD, GRIND. DO NOT STORE ABOVE 120 °F. AVOID EXPOSURE TO STRONG UV LIGHT. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED TO COMPLY WITH OSHA 1910.106. KEEP AWAY FROM HEAT, SPARKS AND FLAME. KEEP CONTAINERS CLOSED WHEN HOT IN USE AND UPRIGHT TO PREVENT LEAKAGE.

**OTHER PRECAUTIONS:**  
 DO NOT TAKE INTERNALLY. WASH HANDS AFTER USING AND BEFORE SMOKING OR EATING. EMPTIED CONTAINERS MAY RETAIN HAZARDOUS RESIDUE AND EXPLOSIVE VAPORS. KEEP AWAY FORM HEAT, SPARKS, FLAMES AND STATIC ELECTRICITY. DON'T CUT OR WELD ON OR NEAR EMPTIED CONTAINERS. FOLLOW ALL HAZARD PRECAUTIONS GIVEN IN THIS SHEET UNTILL CONTAINER IS THOROUGHLY CLEANED OR DESTROYED.

**SECTION X SARA TITLE III INFORMATION**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:  N/A

<b>NAME</b>					
<b>CAS#</b>					
<b>PC. WEIGHT</b>					

**SECTION XI D.O.T. REGULATIONS ( TRANSPORTATION )**

Hazard class ID number Packing Group Proper shipping name Label US Domestic Ground Shipments US Domestic Ground Shipments Non Bulk ( in containers 119 gal or less )	6.1 Poison UN 3287 III <b>TOXIC, LIQUIDS, INORGANIC N.O.S.</b>
<b>Cross Border transport (ADR/RID)</b> ADR/RID class Danger code (Kemler) UN number Packing group Description	Flammable liquid  3287 III <b>TOXIC, LIQUIDS, INORGANIC N.O.S.</b>
<b>Marine transport ( IMDG )</b> IMDG class UN number Label Packing group EMS Number Marine pollutant Proper shipping name	3 3287  III  <b>TOXIC, LIQUIDS, INORGANIC N.O.S.</b>
<b>Air transport (ICAO-TI and IATA-DGR)</b> ICAO/IATA class UN number Label Packing group Proper shipping name	3 3287  III <b>TOXIC, LIQUIDS, INORGANIC N.O.S.</b>

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