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 | M A T E R I A L S A F E T Y D A T A S H E E T |
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 | SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION |
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PRODUCT NAME : CHEMREX 400 CONSTRUCTION ADHESIVE
 IDENTIFICATION NUMBER: CX72-400 DATE PRINTED: 01/05/98
 PRODUCT USE/CLASS : Adhesive

SUPPLIER: MANUFACTURER:
 ChemRex Inc.
 Industrial Division
 889 Valley Park Drive
 Shakopee, MN 55379

EMERGENCY TELEPHONE: EMERGENCY TELEPHONE: 800-424-9300
 24 HRS A DAY 7 DAYS A WEEK

PREPARER: Mark Horton, PHONE: 612-496-6000, PREPARE DATE: 12/11/95

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 | SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS |
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ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
01	toluene	108-88-3	15.0 %
02	n-hexane	110-54-3	30.0 %
03	Silica, quartz	14808-60-7	1.0 %
04	Calcium carbonate	471-34-1	35.0 %
05	Silica, amorphous	7631-86-9	5.0 %

----- EXPOSURE LIMITS -----

ITEM	ACGIH		OSHA		COMPANY	SKIN
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	
01	50 ppm	N. E.	375 mg/m3	N. E.	N. E.	YES
02	50 ppm	N. E.	180 mg/m3	N. E.	N. E.	NO
03	.1 mg/m3	N. E.	.1 mg/m3	N. E.	N. E.	NO
04	10 mg/m3	N. E.	15 mg/m3	N. E.	N. E.	NO
05	10 mg/m3	N. E.	6 mg/m3	N. E.	N. E.	NO

(See Section 16 for abbreviation legend)

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 | SECTION 3 - HAZARDOUS IDENTIFICATION |
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EFFECTS OF OVEREXPOSURE - EYE CONTACT: Irritating, but will not permanently injure eye tissue.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Causes skin irritation. Allergic reactions are possible.

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| SECTION 3 - HAZARDS IDENTIFICATION |
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EFFECTS OF OVEREXPOSURE - INHALATION: Harmful if inhaled. Headaches, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis may result from over-exposure to vapor.

EFFECTS OF OVEREXPOSURE - INGESTION: Irritating to mouth, throat and stomach.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Chronic inhalation of toluene vapors can produce depression of the central nervous system, leading to fainting, difficulty in breathing, nausea, vomiting, and memory loss. Preexisting respiratory or skin condition(s) may be aggravated by exposure. Overexposure may cause nasal damage. This product contains silicon dioxide [quartz] which has been listed as a suspected human carcinogen by NTP and IARC.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT SKIN ABSORPTION INHALATION EYE CONTACT

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| SECTION 4 - FIRST AID MEASURES |
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FIRST AID - EYE CONTACT: Flush eye with water for 15 minutes. Get medical attention.

FIRST AID - SKIN CONTACT: Remove contaminated clothing and shoes. Wash affected area(s) thoroughly with soap and water. If irritation persists, seek medical attention.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: Get medical attention immediately. If swallowed, DO NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into lungs.

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| SECTION 5 - FIRE FIGHTING MEASURES |
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FLASH POINT: 72 F
(PENSKY-MARTENS C. C.)

LOWER EXPLOSIVE LIMIT: 1.2 %
UPPER EXPLOSIVE LIMIT: 7.5 %

AUTOIGNITION TEMPERATURE: N/D

EXTINGUISHING MEDIA: CO2 DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: Fire produces irritating or poisonous gas. Vapors may form explosive mixture with air. Vapors can travel to a source of ignition and flash back. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE,

(Continued on Page 3)

SECTION 5 - FIRE FIGHTING MEASURES

CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; CONTAINERS MAY EXPLODE AND CAUSE INJURY OR DEATH. Solid stream of water or foam may cause frothing.

SPECIAL FIREFIGHTING PROCEDURES: May be ignited by heat, sparks or flame. Containers exposed to fire should be kept cool with water spray. Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Ventilate the area and remove all sources of ignition. Evacuate unnecessary personnel. Large spills should be handled carefully. Put on respiratory protection and necessary personal protective equipment. Dike or impound spilled liquid. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Repeat sorbent/sweep cycle until the spill has dried up. Avoid runoff into storm sewers and ditches which lead to waterways.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Use only in a well ventilated area. Keep out of reach of children. Ground and bond containers when transferring material. If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

STORAGE: Keep away from heat, sparks and flame. Keep container closed when not in use.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved respiratory protection when the product is mixed or applied in a poorly ventilated area or if workplace levels of ingredients exceed the TLV. Follow applicable federal, state, and local regulations.

OTHER PROTECTIVE EQUIPMENT: Use rubber, neoprene or vinyl alcohol gloves. Wear gloves (Natural, supported PVC, neoprene or nitrile rubber), eye goggles, and clean protective clothing to cover arms and legs to keep exposure to a minimum.

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 | SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION |
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HYGIENIC PRACTICES: Do not take internally. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing.

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 | SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES |
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BOILING RANGE : 149 - 232 F VAPOR DENSITY : Is heavier than air
 ODOR : Strong solvent ODOR THRESHOLD : N/D
 APPEARANCE : Semi-paste EVAPORATION RATE: Is slower than Butyl
 SOLUBILITY IN H2O : Slight <0.1% Acetate
 FREEZE POINT : N/D SPECIFIC GRAVITY: 1.1500
 VAPOR PRESSURE : >100mm Hg @77 F pH @ 0.0 % : N/D
 PHYSICAL STATE : Semi-paste VISCOSITY : N/D
 COEFFICIENT OF WATER/OIL DISTRIBUTION: N/D

(See Section 16 for abbreviation legend)

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 | SECTION 10 - STABILITY AND REACTIVITY |
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CONDITIONS TO AVOID: Sources of ignition. Long term exposure to elevated temperatures.

INCOMPATIBILITY: Avoid contact with oxidizing material.

HAZARDOUS DECOMPOSITION PRODUCTS: No Information.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

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 | SECTION 11 - TOXICOLOGICAL PROPERTIES |
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PRODUCT DERMAL LD50: No Information PRODUCT ORAL LD50: No Information
 PRODUCT LC50: No Information

COMPONENT TOXICOLOGICAL INFORMATION:

----- CHEMICAL NAME -----	DERMAL LD50	ORAL LD50	LC50
toluene	12124 mg/kg	636 mg/kg	49 gm/m3/4H
n-hexane	No Information	45 ml/kg	48000 ppm/4H
Silica, quartz	No Information	No Information	No Information
Calcium carbonate	No Information	6450 mg/kg	No Information
Silica, amorphous	No Information	No Information	No Information

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 | SECTION 12 - ECOLOGICAL INFORMATION |
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ECOLOGICAL INFORMATION: No Information.

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 | SECTION 13 - DISPOSAL CONSIDERATIONS |
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DISPOSAL METHOD: Review all local, state, and federal regulations concerning health and pollution for appropriate disposal procedures.

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 | SECTION 14 - TRANSPORTATION INFORMATION |
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DOT PROPER SHIPPING NAME: Adhesive

DOT TECHNICAL NAME:

DOT HAZARD CLASS: FLAMMABLE LIQUID HAZARD SUBCLASS: N/A

DOT UN/NA NUMBER: UN1133 PACKING GROUP: III RESP. GUIDE PAGE:

DOT PLACARD AT: 1000 lbs

DOT CLASS NUMBER: 3

UN PROPER SHIPPING NAME: Adhesive

UN HAZARD CLASS: FLAMMABLE LIQUID

UN CLASS NUMBER: AIR 3 MARINE 3

HAZARD SUBCLASS: AIR N/A MARINE N/A

UN UN/NA NUMBER: UN1133 UN PACKING GROUP: AIR III MARINE III

UN PLACARD AT: N/A

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 | SECTION 15 - REGULATORY INFORMATION |
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U. S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD FIRE HAZARD

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 | SECTION 15 - REGULATORY INFORMATION |
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SARA SECTION 313:

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:

----- CHEMICAL NAME -----	CAS NUMBER	WT/WT % IS LESS THAN
toluene	108-88-3	15.0 %
n-hexane	110-54-3	30.0 %

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

----- CHEMICAL NAME -----	CAS NUMBER
No information is available.	

CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

----- CHEMICAL NAME -----	CAS NUMBER
1,3-butadiene	106-99-0
toluene	108-88-3
Silica, quartz	14808-60-7
inorganic lead	7439-92-1
Arsenic	7440-38-2

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

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 | SECTION 16 - OTHER INFORMATION |
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HMS RATINGS - HEALTH: 2 FLAMMABILITY: 3 REACTIVITY: 0
 PERSONAL PROTECTION: G

PREVIOUS MSDS REVISION DATE: 08/22/95

REASON FOR REVISION: Formula update

VOLATILE ORGANIC COMPOUNDS (VOCs): 3.33 lbs/gal or 399 grams/ltr

LEGEND: N.A. - Not Applicable, N.E. - Not Established,
 N.D. - Not Determined

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| DISCLAIMER |
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<END OF MSDS>