

SL 1

Version 1.4

09/08/03

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company : ChemRex®
 889 Valley Park Drive
 SHAKOPEE, MN 55379

Phone : 952-496-6000

Emergency contact : 1-800-424-9300

Productname : SL 1

MSDS : 10590

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
01	untreated fumed silica	112945-52-5	5.0 %
02	calcium oxide	1305-78-8	10.0 %
03	titanium dioxide	13463-67-7	5.0 %
04	talc	14807-96-6	10.0 %
05	Toluene diisocyanate	26471-62-5	<0.1 %
06	Mineral spirits [Stoddard type]	8052-41-3	10.0 %

ITEM	EXPOSURE LIMITS					
	ACGIH		OSHA		COMPANY	SKIN
TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA		
01	6 mg/m3	N.E.	10 mg/m3	N.E.	N.E.	NO
02	2 mg/m3	N.E.	5 mg/m3	N.E.	N.E.	NO
03	10 mg/m3	N.E.	15 mg/m3	N.E.	N.E.	NO
04	2 mg/m3	N.E.	2 mg/m3	N.E.	N.E.	NO
05	0.005 ppm	0.02 ppm	0.04 mg/m3	0.15 mg/m3	N.E.	NO
06	100 ppm	N.E.	525 mg/m3	N.E.	N.E.	NO

(See Section 16 for abbreviation legend)

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SECTION 3 - HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Causes eye irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Causes skin irritation. Allergic reactions are possible. Repeated or prolonged contact with skin may cause sensitization.

EFFECTS OF OVEREXPOSURE - INHALATION: Harmful if inhaled.

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

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: This product contains solvents. Reports associate repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Reports also indicate that solvents cause liver damage, kidney damage, and mucous membrane irritation. Be warned that intentional misuse by deliberately inhaling the vapors and/or the product contents (a process often called "sniffing") may be harmful or fatal. Preexisting respiratory or skin condition(s) may be aggravated by exposure. This product may contain a small amount [<0.1%] of toluene diisocyanate. NIOSH, NTP and IARC list toluene diisocyanate as a suspected carcinogen. Note also that prolonged repeated exposure to isocyanates can lead to skin sensitization. For persons so sensitized even brief exposures to the isocyanate can produce reddening, swelling, rash, or blisters. Similarly, prolonged and repeated exposure to isocyanates can lead to respiratory sensitization. In such individuals brief exposures to isocyanates at levels well below the TLV can produce chemical asthma, and nonspecific asthmatic conditions.

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

SECTION 4 - FIRST AID MEASURES

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 persist, 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: 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

FLASH POINT: 145 F
(TAGLIABUE CLOSED CUP)

LOWER EXPLOSIVE LIMIT: 0.9 %
UPPER EXPLOSIVE LIMIT: 9.5 %

AUTOIGNITION TEMPERATURE: N.D.

EXTINGUISHING MEDIA: CO2 DRY CHEMICAL WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: Fire produces irritating or poisonous gas. 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, 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 bound containers when transferring material.

STORAGE: Keep container closed when not in use.

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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: Where contact is likely, wear chemical resistant gloves, chemical safety goggles with a face shield, and clean protective clothing to cover arms and legs to keep exposure to a minimum.

HYGIENIC PRACTICES: Do not take internally. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	: 187 - 484 F	VAPOR DENSITY	: Is heavier than air
ODOR	: Paint Thinner	ODOR THRESHOLD	: N.D.
APPEARANCE	: Pigmented Liquid	EVAPORATION RATE:	Is slower than Butyl Acetate
SOLUBILITY IN H2O	: Slight <0.1%	SPECIFIC GRAVITY:	1.1000
FREEZE POINT	: N.D.	pH @ 0.0 %	: N.D.
VAPOR PRESSURE	: No Information	VISCOSITY	: N.D.
PHYSICAL STATE	: Liquid		
COEFFICIENT OF WATER/OIL DISTRIBUTION: N.D.			

(See Section 16 for abbreviation legend)

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Long term exposure to elevated temperatures.

INCOMPATIBILITY: Avoid contact with oxidizing material.

HAZARDOUS DECOMPOSITION PRODUCTS: Acrid fumes. Oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

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SECTION 14 - TRANSPORTATION INFORMATION

UN UN/NA NUMBER: N.A. UN PACKING GROUP: AIR N.A. MARINE N.A.
 UN PLACARD AT: N.A.

SECTION 15 - REGULATORY INFORMATION

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

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 diisocyanate	26471-62-5	<0.1 %

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
None known	

U.S. STATE REGULATIONS: AS FOLLOWS -

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
Acrylonitrile	107-13-1
toluene	108-88-3
Silica, quartz	14808-60-7
2,4-toluene diisocyanate	584-84-9
1,1-dichloroethylene	75-35-4

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SECTION 15 - REGULATORY INFORMATION

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.

SECTION 16 - OTHER INFORMATION

HMIS RATINGS - HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 0
PERSONAL PROTECTION: G

PREVIOUS MSDS REVISION DATE: 08/25/99

REASON FOR REVISION: Revision of SECTION 14 - TRANSPORTATION INFORMATION.

VOLATILE ORGANIC COMPOUNDS (VOCS): 0.87 lbs/gal, 104 grams/ltr

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

This information is furnished without warranty, representation, or license of any kind, except that this information is accurate to the best of the Manufacture's knowledge, or is obtained from sources believed by the Manufacture to be accurate. No warranty is expressed or implied regarding the accuracy of this information or the results to be obtained from its use thereof. The Manufacture assumes no responsibility for injuries proximately caused by use of the Material if reasonable safety procedures are not followed as stipulated in this Data Sheet. Additionally, the Manufacture assumes no responsibility for injuries proximately caused by abnormal use of the Material even if reasonable safety procedures are followed. Buyer assumes the risk in its use of the Material.

<END OF MSDS>