ChemRex Inc.

SONOLASTIC NP1

Version 1.0 5/1/01

1. COMPANY AND PRODUCT INFORMATION

Company	:	ChemRex US 889 Valley Park Drive SHAKOPEE, MN 55379 USA	ChemRex CA 1800 Clark Blvd BRAMPTON, ON L6T 4M7 Canada
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Emergency contact	:	(800) 424-9300	
Productname	:	SONOLASTIC NP1	
MSDS	:	11022	

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
01	calcium oxide	1305-78-8	5.0 %
02	Limestone, Calcium carbonate	1317-65-3	20.0 %
03	titanium dioxide	13463-67-7	5.0 %
04	talc	14807-96-6	5.0 %
05	Silica, quartz	14808-60-7	1.0 %
06	Mineral spirits [Stoddard type]	8052-41-3	10.0 %

	EXPOSURE LIMITS					
	ACGIH		OSHA		COMPANY	
ITEM	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	SKIN
01	2 mg/m3	N.E.	5 mg/m3	N.E.	N.E.	NO
02	10 mg/m3	N.E.	15 mg/m3	N.E.	N.E.	NO
03	10 mg/m3	N.E.	15 mg/m3		N.E.	NO
04	2 mg/m3	N.E.	2 mg/m3		N.E.	NO
05	.1 mg/m3	N.E.	.1 mg/m3	N.E.	N.E.	NO
06	100 ppm	N.E.	525 mg/m3	N.E.	N.E.	NO

(See Section 16 for abbreviation legend)

SECTION 3 - HAZARDOUS 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 sensitation. For persons so sensitized even breif 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. 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 INHALATION EYE CONTACT INGESTION

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) throughly 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.

SECTION 4 - FIRST AID MEASURES CONT'D

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 victum's head below hips to avoid aspiration of vomitus into lungs.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: 121 F
(SETAFLASH CLOSED CUP)

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

AUTOIGNITION TEMPERATURE: N/A

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. 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 unneccessary 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. If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminents below the exposure limit.

STORAGE: 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: Where contact is likely, wear chemical resistant gloves, chemical safety goggles with a face sheild, 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	: 312 - 484 F	VAPOR DENSITY	: Is heavier than air
ODOR	: Mild odor	ODOR THRESHOLD	: N/D
APPEARANCE	: Pigmented paste	EVAPORATION RATE	: Is slower than Butyl Acetate
SOLUBILITY IN H2O	: Slight <0.1 %		
FREEZE POINT	: N/D	SPECIFIC GRAVITY	: 1.1800
VAPOR PRESSURE	: N/D	pH @ 0.0 %	: N/A
PHYSICAL STATE	: Solid	VISCOSITY	: N/A

COEFFICIENT OF WATER/OIL DISTRIBUTION: N/A

(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. Contact with water vapor.

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.

SECTION 11 - TOXICOLOGICAL PROPERTIES

PRODUCT DERMAL LD50: No Information PRODUCT ORAL LD50: No Information
PRODUCT LC50: No Information

COMPONENT TOXICOLOGICAL INFORMATION:

CHEMICAL NAME	DERMAL LD50	ORAL LD50	LC50
calcium oxide	No Information	No Information	No Information
Limestone, Calcium carb	No Information	6450 mg/kg	No Information
titanium dioxide	No Information	> 7500 mg/kg	No Information
talc	No Information	No Information	11mg/m3/1y-I
Silica, quartz	No Information	No Information	No Information
Mineral spirits [Stodda	No Information	> 5 g/kg	>5500mg/m3/4H

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Review all local, state, and federal regulations concerning health and pollution for appropriate disposal procedures.

SECTION 14 - TRANSPORTATION INFORMATION

This material has been tested, and determined to be a non-combustible solid by ASTM test methods.

DOT PROPER SHIPPING NAME: Not Regulated

DOT TECHNICAL NAME: N/A

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

DOT UN/NA NUMBER: N/A PACKING GROUP: N/A RESP. GUIDE PAGE:

DOT PLACARD AT: N/A

DOT CLASS NUMBER: N/A

UN PROPER SHIPPING NAME: Not Regulated

SECTION 14 - TRANSPORTATION INFORMATION CONT'D

UN HAZARD CLASS: N/A

UN CLASS NUMBER: AIR N/A MARINE N/A

HAZARD SUBCLASS: AIR N/A MARINE N/A

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 FIRE 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 %

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
Chlorobenzene	108-90-7

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:

SECTION 15 - REGULATORY INFORMATION CONT'D

CHEMICAL NAME	CAS NUMBER
toluene	108-88-3
Silica, quartz	14808-60-7
2,4-toluene diisocyanate	584-84-9

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: 1 REACTIVITY: 0
PERSONAL PROTECTION: G

PREVIOUS MSDS REVISION DATE: 07/22/98

REASON FOR REVISION: General Review.

VOLATILE ORGANIC COMPOUNDS (VOCS): 0.77 lbs/gal, 93 grams/ltr

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

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<END OF MSDS>