

Adhesive

WAUWATOSA / IDC / NASHOTAH
ADHESIVE - FYPON MOULDING
FY948

MATERIAL SAFETY DATA SHEET
For chemicals, coatings and related materials

11/03

DATE:	SUPERSEDES:	PREPARED BY:
June 27, 2001	October 15, 1998	Manufacturer, Regulatory Affairs
Manufacturer		
NAME: ChemRex Inc., ASC Division		EMERGENCY PHONE NUMBER
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ADDRESS:		INFORMATION PHONE NUMBER
ZIP CODE: 55379		(952) 496-6000
Distributor		
NAME: Fypon, Ltd.		
ADDRESS: P.O. Box 365		
ADDRESS: 22 W. Pennsylvania Avenue		
ADDRESS: Stewartstown, PA 17363		
ADDRESS:	PHONE: (717) 993-2593	

Section I - Product	
NUMBER: FY948	H M I S Hazard Codes
Fypon Item #: 800000	Health: 2 Moderate
	Flammability: 1 slight
	Reactivity: 0 Minimal
	Personal Protective Equipment: B
NAME: Fypon Molded Millwork Adhesive	
CLASS: Adhesive	
CAS NUMBER: none-mix	

Section II - Hazardous Ingredients				
Ingredient: Material Description	Wt/Wt % Less Than	C.A.S. Registry Number	LEL	Vapor Pressure [mm Hg at 20 deg C]
Hydrotreated light petroleum distillate	10.0	64742-47-8	1.6	<<1
Silica, quartz	1.0	14808-60-7	None	None
Talc [hydrous magnesium silicate]	35.0	14807-96-6	None	None
Polymethylenepolyphenylisocyanate	5.0	9016-87-9	None	<.0001
Methylene bisphenyl diisocyanate	5.0	101-68-8	1	<<1

Section III - Physical Data			
Boiling Range:	342 - 514 deg F	Freezing Point:	N/D
Vapor Pressure:	N/D	Vapor Density:	Heavier than air
Specific Gravity:	1.26	H2O Soluble:	Slight [<0.1 %]
Evaporation Rate (relative to n-butyl acetate)	Slower	Viscosity:	N/D
PH:	N/D	Odor Threshold:	N/D
Appearance:	Tan Paste	Odor:	Mild oily

Section IV - Fire and Explosion Hazard Data			
FLASH POINT: (Method Used)	250 deg F (TCC)	EXPLOSIVE LIMITS:	LEL 0.6 UEL 10.2
AUTOIGNITION TEMP:	N/D	EXTINGUISHING MEDIA:	CO2, Dry Chemical, Water Fog
SPECIAL FIRE FIGHTING PROCEDURES	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.	

UNUSUAL FIRE AND EXPLOSION HAZARDS:	No Information.
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Section V – Toxicological Information							
Ingredient Material Description	PEL (mg/m ³)	TLV STEL (mg/m ³)	TLV (TWA)		LD50 [mg/kg]		LC50 [ppm] Rar INHAL
			mg/m ³	ppm	RAT [oral]	RABBIT [dermal]	
Hydrotreated light petroleum distillate	N.E.	N.E.	N.E.	N.E.	0.5 g/kg	>3.16 g/kg	N/D
Silica quartz	0.1	N.E.	0.1	N.E.	N/D	N/D	N/D
Talc [hydrous magnesium silicate]	2	N.E.	2	N.E.	N/D	N/D	11 mg/m ³ /ly-1
Polymethylenepolyphenylisocyanate	N.E.	N.E.	N.E.	N.E.	>10 g/kg	>9400	N/D
Methylene bisphenyl diisocyanate	0.02 ppm	N.E.	N.E.	0.005 PPM	30,000	500 mg/kg/24	178 mg/m ³

Section VI – Health Hazard Data and Emergency/First Aid Procedures	
ACUTE OVEREXPOSURE INFORMATION	
EYES:	Causes eye irritation.
SKIN:	Causes skin irritation. Allergic reactions are possible. Repeated or prolonged contact with skin may cause sensitization.
INHALATION:	Headaches, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis may result from over-exposure to vapor. Prolonged inhalation may be harmful.
INGESTION:	Irritating to mouth, throat, and stomach.
NOTE:	Pre-existing respiratory or skin condition(s) may be aggravated by exposure.
CHRONIC OVEREXPOSURE INFORMATION:	
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 contains an isocyanate. Persons with a history of exposure to isocyanates may also experience 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	
EMERGENCY AND FIRST AID PROCEDURES:	
EYES:	Flush eye with water for 15 minutes. Get medical attention.
SKIN:	Remove contaminated clothing. Wash skin with soap and water. Get medical attention.
INHALATION:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
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.

Section VII – Reactivity Data	
STABILITY:	This product is stable under normal storage conditions.
CONDITIONS TO AVOID:	Long term exposure to elevated temperatures.
INCOMPATIBILITY:	Strong bases or oxidants. Strong Lewis or mineral acids.
HAZARDOUS DECOMPOSITION PRODUCTS:	Poisonous & acrid fumes released on burning. Oxides of carbon.
HAZARDOUS POLYMERIZATION:	Will not occur under normal conditions.

Section VIII – Spill or Leak Procedures	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:	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 with lead to waterways.
WASTE DISPOSAL METHODS:	Review all local, state, and federal regulations concerning health and pollution for appropriate disposal procedures.

Section IX – Exposure Controls/Personal Protection	
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.	
ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.	
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. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.	

Section X – Handling and Storage	
HANDLING: Keep out of reach of children. If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.	
STORAGE: Keep container closed when not in use.	

Section XI – Transportation Information		
	DOT	UN
HAZARD CLASS:	N/A	N/A
UN/NA NUMBER:	N/A	N/A
SHIPPING NAME:	Not Regulated	Not Regulated
TECHNICAL NAME:	N/A	
PLACARD AT	N/A	N/A
CLASS NUMBER:	N/A	AIR: N/A MARINE: N/A
HAZARD SUBCLASS:	N/A	AIR: N/A MARINE: N/A
PACKING GROUP:	N/A	AIR: N/A MARINE: N/A

Section XII – Regulatory Information		
U.S. FEDERAL REGULATIONS		
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:		
<u>Chemical Name</u>	<u>CAS Number</u>	<u>Wt/Wt % is less than</u>
Methylene bisphenyl diisocyanate	101-68-8	5.0
Polymethylenepolyphenylisocyanate	9016-87-9	5.0
CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the headings.		
CANADIAN WHMIS CLASS: No information available.		

Section XIII – Other Information	
PREVIOUS MSDS REVISION DATE: 10/15/98	
REASON FOR REVISION: Routine review.	
VOLATILE ORGANIC COMPOUNDS (VOCs): 1.02 lbs/gal, 112 grams/ltr	
LEGEND: N/A – Not Applicable, N/D – Not Determined, N/E – Not Established	

DISCLAIMER	
This information is furnished without warranty, representation or license of any kind, except that this information is accurate to the best of Fypon's knowledge, or is obtained from sources believed by Fypon 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. Fypon 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, Fypon 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.	

FYPON® MSDS INFORMATION

The Occupational Safety and Health Administration (OSHA) requires Material Safety Data Sheets for all hazardous materials to which company employees or users of the products may be exposed.

The rigid polyurethane Molded Millwork manufactured by Fypon® Ltd. is a finished product that does not release or expose users to hazardous chemicals under normal conditions of use. Fypon® Molded Millwork conforms to the definition of "Articles" (see below) and qualifies under the exclusionary section of the applicable regulations. (Code of Federal Regulations, 29 CFR 1910.1200 Revised 7/1/2001). Therefore, no Material Safety Data Sheet is required for Fypon® rigid polyurethane Molded Millwork

From 29CFR1910.1200: (6) This section does not apply to (v) Articles (as defined in paragraph (c) of this section).

Paragraph (c) states that: Article means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical and does not pose a physical hazard or health risk to employees.

Rigid polyurethane foam is not considered or listed as a hazardous chemical in 29 CFR 1910 subpart Z, Product Safety Act (15 U.S.C. 2051), or the Federal Hazardous Substances Act (15 U.S.C. 1261).