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MATERIAL SAFETY DATA SHEET

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Supersedes All Previous Publications

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SECTION I PRODUCT INFORMATION

PRODUCT NAME AND SYNONYMS: EPDM POURABLE SEALER-PART B

Table with 2 columns: Hazard Category and Value. Health: 2, Flammability: 0, Reactivity: 1, Specific Hazard: --

CHEMICAL FAMILY: Aromatic Diisocyanate
PRODUCT USE: Curative For Pourable Sealer Part A
FORMULA: Mixture

SECTION II (A) HAZARDOUS INGREDIENTS

Table with 10 columns: Hazardous Ingredient, CAS Number, %, PEL (ppm) TWA, PEL (ppm) STEL, Ceiling, Skin Desig-Nation, LD50 of Ingredient (mg/kg), LC50 of Ingredient (ppm/4H). Rows include Diphenylmethane 4,4'-Diisocyanate (MDI), Diphenylmethane 4,4'-Diisocyanate (Homo-polymer), and Terphenyls.

SECTION II (B) ADDITIONAL INGREDIENTS (>3%)

Ingredients: Hydrogenated Terphenyls- CAS # 61788-32-7

SECTION III PHYSICAL DATA

Table with 5 columns: Physical State, Odor and Appearance, VOC (grams/Liter), Odor Threshold (ppm), Vapor Pressure (mm Hg). Rows include Liquid, Vapor Density (AIR=1), Specific Gravity, Evaporation Rate (nBuAc=1), Boiling Point (°C), Freezing Point (°C), pH, Coeff Water/Oil Dist, Solubility in Water, Volatiles by Wt (%), Corrosivity.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flammability: Yes No X If Yes, Under Which Conditions?

Flashpoint (°C) And Method Autoignition Temperature (°C) Lower Flammable Limit (% By Vol) Upper Flammable Limit (% by Vol)
104° C (220° F) C.O.C. Not Determined Not Determined Not Determined

Hazardous Combustion Products: Oxides of nitrogen, traces of hydrogen cyanide, carbon monoxide, and carbon dioxide

EXPLOSION DATA:

Sensitivity To Impact: There is no evidence to indicate that this product is sensitive to impact.
Sensitivity To Static Discharge: There is no evidence to indicate that this product is sensitive to static discharge.
Extinguishing Media: In case of fire, use dry chemical, carbon dioxide, or foam. Water may not be effective as an extinguishing agent. Water fog or spray may be used to provide a smothering effect on fire and to cool fire-exposed containers and surrounding combustibles. Do not use a solid stream of water because it can scatter and spread the fire. NOTE: Water may react vigorously with hot product.

Special Fire Fighting Procedures: Fire fighters should wear self-contained breathing apparatus and full protective clothing. Do not breath smoke or vapors given off by burning material.

Unusual Fire And Explosion Hazards: In case of fire, evacuate all down-wind personnel. If product becomes contaminated, do not reseal containers as pressure build-up may rupture them.

=====SECTION V REACTIVITY DATA=====

Chemical Stability: Stable

Hazardous Polymerization: May occur

Conditions to Avoid: Contact with water, alcohols, amines, or other materials which react with diisocyanates; prolonged heating above 160°C, or storage below 5°C. Temperatures above 49°C will accelerate reaction with water.

Incompatibility (Materials to Avoid): Water, alcohols, acids, bases, metal compounds, or surface active materials.

Hazardous Decomposition Products: Isocyanate vapor, carbon dioxide, carbon monoxide, nitrogen oxides, traces of hydrogen cyanide. ****Also see MSDS for Pourable Sealer- Part A****

=====SECTION VI TOXICOLOGICAL PROPERTIES=====

Route of Entry: Skin Contact X Skin Absorption X Eye Contact X Inhalation X Ingestion X

Effects of Acute Exposure To Product: Breathlessness, chest discomfort, reduced pulmonary function, skin rash. May cause irritation. The manifestations of respiratory symptoms may be delayed.

Effects of Chronic Exposure: Allergic skin sensitization may occur in some individuals. Decreased ventilatory capacity is possible.

Exposure Limits	Irritancy of Product	Sensitizations To Product	Carcinogenicity
PEL ceiling 0.02 ppm For MDI homopolymer.	May irritate skin, eyes, and respiratory tract.	May cause skin rash and/or asthma-like reaction.	No evidence
Teratogenicity	Reproductive Toxicity	Mutagenicity	Synergistic Products
No evidence	No evidence	MDI has shown positive in some invitro tests.	No evidence
			Tumorigenicity
			No evidence

=====SECTION VII PREVENTATIVE MEASURES=====

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: Hycron® or other impermeable gloves recommended.

Respirator: A NIOSH approved respirator if working in tightly enclosed area.

Eye: Chemical goggles or face shield or supplied air respirator are recommended.

Footwear: Rubber boots or industrial shoes to protect feet from contact with product.

Clothing: Freshly laundered clothing with long sleeves and long pants.

Other: Protective skin creams or emollients useful.

Engineering Controls (EG., Ventilation, Enclosed Process): Do not use in enclosed areas without proper ventilation. General and local exhaust ventilation must be sufficient to control airborne levels below the exposure guideline of 0.02 ppm.

Leak or Spill Procedure: Evacuate and ventilate area. Blanket with protein foam to control vapors. Soak up spillage with absorbent material. Transfer to open top containers in well ventilated area, and neutralize with a 10% mixture of Ammonium Hydroxide in water for 48 hours, allowing CO₂ to escape.

Waste Disposal: Neutralize as described above, and dispose of in accordance with all local, state, and federal regulations.

Handling Procedures and Equipment: Avoid skin and eye contact. Avoid breathing vapor or mist.

Storage Requirements: Store above 40°F (5°C). Avoid moisture contamination. Keep container closed when not in use. KEEP OUT OF REACH OF CHILDREN.

Special Shipping Information: Not regulated by DOT.

=====SECTION VIII FIRST AND MEASURES=====

Specific Measures:

Inhalation: Remove to fresh air; give oxygen; call physician.

Skin: Wash with soap and water, rubbing alcohol is helpful. If rash develops, consult physician and avoid re-exposure to product

Ingestion: Do not induce vomiting; call physician immediately.

Eyes: Flush with water for at least 15 minutes. Call physician.

NOTE: The manifestations of respiratory symptoms resulting from acute exposure may be delayed.

=====SECTION IX SARA SECTION 313 SUPPLIER NOTIFICATION=====

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning And Community Right-To-Know Act of 1986 and of 40 CFR 372:

DIPHENYLETHANE 4,4' DIISOCYANATE, CAS# 101-68-8, 38-44%

=====SECTION X PREPARATION INFORMATION=====

Disclaimer: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations. Prepared By: 2001 Inc.