

# Material Safety Data Sheet

**Freeman 1035T Part B**

**MSDS No.**

Date of Preparation: September 11, 2001

Revision:

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** Freeman 1035T Part B

**Chemical Formula:** N/A

**CAS Number:** Mixture

**Other Designations:** N/A

**General Use:** Polyurethane Elastomer

**Manufacturer:** Freeman Manufacturing and Supply Company, 1101 Moore Road, Avon, OH 44011,  
Phone (440)934-1902, FAX (440)934-7200, Hours of Operation 8-5, Emergency Phone Number 800-424-9300

<b>HMIS</b>	
<b>H</b>	2
<b>F</b>	1
<b>R</b>	0
<b>PPE†</b>	
†Sec. 8	

☆☆☆☆☆ **Emergency Overview** ☆☆☆☆☆  
Irritation

## Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
New Jersey #221290880-5025P	Proprietary	40 - 50
New Jersey #221290880-5051P	Proprietary	5 - 10
Diethyltoluene diamine	68479-98-1	1 - 5
Phenylmercuric neodecanoate	26545-49-3	0.1

Ingredient	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
#221290880-5025P	none estab.	none estab.	none estab.	none estab.
#221290880-5051P	none estab.	none estab.	none estab.	none estab.
Diethyltoluene diamine	none estab.	none estab.	none estab.	none estab.
Phenylmercuric neodecanoate	0.01mg/m3	none estab.	0.01mg/m3	none estab.

## Section 3 - Physical and Chemical Properties

<p><b>Physical State:</b> Paste  <b>Appearance:</b> Off-White  <b>Odor:</b> Mild odor  <b>Viscosity:</b> Paste  <b>Vapor Pressure:</b> None (Polymeric Resin)  <b>Vapor Density (Air=1):</b> &gt;1</p>	<p><b>Specific Gravity (H<sub>2</sub>O=1, at 4 °C):</b> 1.30  <b>Water Solubility:</b> Negligible  <b>Boiling Point:</b> None (Polymeric Resin)  <b>Freezing/Melting Point:</b> None determined  <b>% Volatile:</b> Nil  <b>Evaporation Rate:</b> None (Polymeric Resin)</p>
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## Section 4 - Fire-Fighting Measures

**Flash Point:** >285 °F (140 °C)  
**Flash Point Method:** PMCC  
**Burning Rate:** N/A  
**Autoignition Temperature:** N/A  
**LEL:** Not established  
**UEL:** Not established  
**Flammability Classification:** Non-Flammable  
**Extinguishing Media:** Water fog, dry chemical, and carbon dioxide foam.  
**Unusual Fire or Explosion Hazards:** None  
**Hazardous Combustion Products:** N/A  
**Fire-Fighting Instructions:** Fire fighters should wear self-contained breathing apparatus. Do not release runoff from fire control methods to sewers or waterways.



**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

## Section 5 - Stability and Reactivity

**Stability:** This product is stable at room temperature in closed containers under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization cannot occur.

**Chemical Incompatibilities:** Strong acids and oxidizers.

**Conditions to Avoid:** Avoid contamination with water and other materials that react with amines.

**Hazardous Decomposition Products:** Oxides of nitrogen, carbon monoxide and carbon dioxide.

## Section 6 - Health Hazard Information

### Potential Health Effects

**Primary Entry Routes:** Dermal

**Target Organs:** Pancreas, liver, thyroid and eyes.

#### Acute Effects

**Inhalation:** Vapors, which are not significant unless heated or sprayed can cause irritation to respiratory tract.

**Eye:** May cause irritation, redness, tearing, and blur vision. Prolonged vapor contact may cause conjunctivitis.

**Skin:** Contact will cause irritation, reddening, swelling.

**Ingestion:** May have corrosive effects on the linings of the mouth and stomach; symptoms can include sore throat, abdominal pain, nausea, vomiting and diarrhea.

**Carcinogenicity:** IARC, NTP, and OSHA do not list any components of this product as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:** Pre-existing skin disorders.

**Chronic Effects:** A two-year feeding study in rats showed diethyltoluenediamine caused effects in the pancreas, liver, thyroid and eyes. Also, an increase in the number of tumors in the liver and thyroid of male rats and in the liver and possibly mammary gland of female rats was found. This product contains an organo-mercury catalyst below the reportable level required by OSHA 1910.1200; however, due to the chronic toxicity of organo-mercury compounds careful handling of this product is required.

### Emergency and First Aid Procedures

**Inhalation:** Remove source(s) of contamination and move victim to fresh air.

**Eye Contact:** Flush eyes with plenty of water. If irritation persists, seek medical attention.

**Skin Contact:** In case of skin contact, wash thoroughly with soap and water; remove contaminated clothing and launder before reuse; seek medical attention if rash develops.

**Ingestion:** Do not induce vomiting unless instructed by a physician. Contact physician immediately.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

**Note to Physicians:** N/A

**Special Precautions/Procedures:** N/A

## Section 7 - Spill, Leak, and Disposal Procedures

**Spill /Leak Procedures:** Dike and contain spill; absorb or scrape up excess into suitable container for disposal. Stop or reduce discharge if it can be done safely.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

**Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

**Disposal Regulatory Requirements:** This material contains a hazardous constituent as identified in RCRA, Title 40 CFR 261, Appendix VIII and must be disposed of in accordance with applicable Federal, state and local regulations.

#### Toxicological Information:

**Acute Inhalation Effects:** Human, inhalation, TCL: Not Determined

**Acute Oral Effects:** A two year feeding study in rats showed diethyltoluene diamine caused effects in the pancreas, liver, thyroid and eyes. Also, an increase in the number of tumors in the liver and possibly mammary gland of female rats was found.

**Ecological Information:** None established.

#### EPA Regulations:

**RCRA Hazardous Waste Number:** Not listed (40 CFR 261.33)

**CERCLA Hazardous Substance** (40 CFR 302.4) listed/unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112: None list

**SARA Toxic Chemical** (40 CFR 372.65):

<u>Chemical Name</u>	<u>RQ</u>	<u>% Reportable Component</u>
Mercury Compounds	10 lbs.	0.1 Max

**SARA EHS (Extremely Hazardous Substance) (40 CFR 355):** None

**TSCA Inventory Status (40CFR710):** All components of this formulation are listed in the TSCA Inventory.

**State Regulations:**

**California Proposition 65:** This product does not intentionally contain any chemicals, which have been identified by the state of California to cause cancer, birth defects or other reproductive harm.

## Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:**

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Administrative Controls:**

**Respiratory Protection:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen.

**Protective Clothing/Equipment:** Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## Section 9 - Special Precautions and Comments

**Handling Precautions:** Minimize breathing of vapors and avoid prolonged or repeated contact with skin. Wear proper protective equipment. If ventilation is not sufficient, wear proper respiratory equipment. Use good general housekeeping procedures.

**Storage Requirements:** Store in cool dry, well-ventilated area.

**DOT Transportation Data (49 CFR 172.101): Not Classified**

**Prepared By:**

**Revision Notes:**

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