

PLEIGER

Pleiger Plastic Company
PO BOX 1271- Crile Road
Washington, Pa 15301-1271/USA
Tel: 724-228-2244
Or 1-800-PLEIGER
Fax: 724 228 2253

Date Prepared: 2/1/1988

MATERIAL DATA SAFETY SHEET

I. IDENTIFICATION

Manufacturer: Pleiger Plastic Products
Address: PO BOX 1271
Crile Road
Washington, PA 15301
Trade Name: Plei-Tech Polyurethane
Chemical Name: Thermoset Polyurethane Elastomer

Emergency Phone: (800) 444-2892
Phone For Information: (724) 228-2244
CAS Number: NA
Chemical family: Polyurethane

II. HAZARDOUS INGREDIENTS / SPECIAL REGULATORY HAZARDS

Ingredient	CAS No.	Exposure Limit	OSHA(1.910.1200)	EEC
Product	NA	ND	Not Hazardous	Not Hazardous

Transportation: NA

Not Applicable: Polyurethane elastomers are fully reacted polymers forming articles which are not considered hazardous under OSHA's criteria 29CFR1910.1200.

III. PHYSICAL DATA

Appearance And Odor: Molded parts or sheet, no characteristic odor

Solubility: Insoluble in water	Vapor Pressure @ 20C: 1.05-1.26
Melting Point: Will not melt, will degrade above 250C	Vapor Density (Air=1): NA
Boiling Point: NA	Vapor Pressure @ 20C: NA
Other Data: None	Volatility @ 70F: None

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point: NA	Autoignition Temp: ND
Extinguishing Media: Water Spray, Dry Chemical	Flammable Limits in Air: ND

Special Fire Fighting Procedures: Protect against inhalation of combustion products, self-contained breathing apparatus should be used. Avoid breathing smoke, fumes, and decomposition products. Use water spray to drench smoldering elastomer. Product may melt, after ignition, to form flammable liquids. Burning produces intense heat, dense smoke, and toxic gases such carbon monoxide, oxides of nitrogen, and traces of cyanide.

Unusual Hazards : None Identified

V. REACTIVITY DATA

Stability: Stable at ambient temperatures and pressures

Incompatibility: Strong acids and bases

Decomposition Products: Decomposition through burning produces fumes consisting of organic particulates, gaseous hydrocarbons, carbon dioxide, carbon monoxide, and may contain traces of toluene diisocyanate (TDI), diphenylmethane diisocyanate (MDI), naphthalene diisocyanate (NDI), or Paraphenylene diisocyanate (PPDI).

HAZARDOUS POLYMERIZATION: Will not occur

Conditions To Avoid None

VI. SPECIAL PROTECTION INFORMATION / HEALTH HAZARD DATA

Route Of Entry: **Inhalation:** Yes, Primary Route **Skin:** No **Ingestion:** No Toxic Effects

Inhalation of dust during machining and inhalation of vapors during hot wire cutting or branding

Health Hazards(Acute and Chronic): Acute – none known from solid article. Fumes from hot-wire cutting or branding can be irritating and lead to coughing. These fumes could contain traces of toluene diisocyanate (TDI), diphenylmethane diisocyanate (MDI), naphthalene diisocyanate (NDI), or paraphenylene diisocyanate (PPDI).

Chronic – Animal studies indicate that chronic inhalation or overexposure of dust may cause inflammation of the lungs, fibrosis, and airway obstruction.

Carcinogenicity: **NPT- NO** **IARC Monograph-No** **OSHA Regulated-No**

Cured Polyurethane is not listed as a carcinogen

Medical Conditions Generally Aggravated By Exposure: Dust from grinding operations may aggravate existing lung disorders when proper protection is not used.

Emergency and First aid Procedures: Flush eyes with water if dust from grinding causes irritation

VII. STORAGE, SPILLS, AND DISPOSAL INFORMATION

Storage: Store away from sources of direct heat, sparks, flames, and other ignition sources. Store in areas with Sprinklers systems

Spills: N/A

Disposal: In accordance with the applicable local, state, or federal regulation regarding disposal of polymer waste.

Environmental Information: Environmental effects have not been determined.

Other Precautions: Cutting elastomers by hot wire or branding can form decomposition products. Local exhaust ventilation should be used to remove any fumes. If the isocyanates are emitted, ventilation should be sufficient to insure levels below the TVL for TDI (0.005 ppm TWA / 0.02 ppm STEL)

VIII. CONTRIL MEASURES

Respiratory Protection: For Grinding-Wear a dust mask. If generating fumes from hot wire or hot knife operations, wear an air-purifying respirator with an organic cartridge if exhaust ventilation is inadequate.

Ventilation: Local Exhaust – As required to reduce dust and fume exposure below OSHA Limits.
Mechanical – N/A Special – N/A

Protective Gloves: None Required

Eye Protection: None in normal use, for grinding operations use grinding goggles.

Other Protective Clothing: None required

Work/Hygienic Practice: None required

