

# Safety Data Sheet

## Reacted Plei-Tech™ Polyurethane Article

Version: 1.0

Date Prepared: 6/1/2015

Revision Date: 1/1/2021

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### 1. Product and Company Identification

Company

Pleiger Plastics Company  
498 Crile Road  
Washington, PA, 15301, USA

Emergency Response Information

Phone 1-800-753-4437

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Synonyms: Polyurethane Elastomer, Urethane Rubber, Urethane Elastomer, Polyurethane Foam

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### 2. Hazards Identification

**Emergency overview**

**CAUTION:**

MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

State of matter: Solid

Color: Varies

Odor: No characteristic Odor

**Potential health effects**

**Primary routes of exposure:**

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation, primarily via dust from cutting and grinding operations. Routes of entry for gases, primarily via hot wire cutting or branding, include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

**Acute toxicity:**

Ingestion may cause gastrointestinal disturbances.

**Irritation / corrosion:**

Irritating to respiratory system. Irritating to eyes and skin. Contact with powders or dusts may irritate the eyes, skin and respiratory tract. Thermal decomposition products of the substance can irritate the eyes, skin, and respiratory tract.

**Assessment other acute effects:**

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

**Sensitization:**

The chemical structure does not suggest a sensitizing effect.

**Chronic toxicity:**

**Carcinogenicity:** The chemical structure does not suggest a specific alert for such an effect.

**Repeated dose toxicity:** No known chronic effects.

**Reproductive toxicity:** The chemical structure does not suggest such an effect.

**Teratogenicity:** The chemical structure does not suggest such an effect.

**Genotoxicity:** The chemical structure does not suggest such an effect.

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### **Medical conditions aggravated by overexposure:**

Data available does not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this solid product. Dust from grinding may aggravate lungs when proper protection is not used.

### **Signs and symptoms of overexposure:**

No significant reaction of the human body to the product known.  
No hazards anticipated.

### **Potential environmental effects**

#### **Aquatic toxicity:**

There is a high probability that the product is not acutely harmful to aquatic organisms.

#### **Degradation / environmental fate:**

Poorly biodegradable.

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## 3. Composition / Information on Ingredients

<b><u>CAS Number</u></b>	<b><u>Content (W/W)</u></b>	<b><u>Chemical name</u></b>
N/A	100.0 %	Polyurethane Elastomer

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## 4. First-Aid Measures

### **If inhaled:**

After inhalation of decomposition products: Remove the affected individual into fresh air and keep the person calm. Seek medical attention if necessary.

### **If on skin:**

Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

### **If in eyes:**

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If irritation develops, seek medical attention.

### **If swallowed:**

Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Seek medical attention if necessary.

### **Note to physician**

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-Fighting Measures

Flash point:	> 110 °C
Autoignition:	> 250 °C
Lower explosion limit:	not determined
Self-ignition temperature:	not self-igniting

### **Suitable extinguishing media:**

Water spray, dry powder, carbon dioxide, foam

### **Hazards during fire-fighting:**

If product is heated above decomposition temperature, toxic vapors will be released.

### **Protective equipment for fire-fighting:**

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

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### 6. Accidental release measures

**Personal precautions:**

No special precautions necessary.

**Cleanup:**

Place into suitable container for disposal. See SDS section 13 - Disposal consideration.

### 7. Handling and Storage

**Handling**

**Protection against fire and explosion:**

No explosion proofing necessary.

**Storage**

**General advice:**

Avoid deposition of dust. No special precautions necessary.

**Storage stability:**

No data available.

### 8. Exposure Controls and Personal Protection

**Advice on system design:**

Provide local exhaust ventilation to control dust from grinding or fumes from hot wire/ knife operations to keep exposure below local TWA / STEL requirements.

**Personal protective equipment**

**Respiratory protection:**

Wear a NIOSH-certified (or equivalent) particulate respirator for grinding operations. For heated operations wear an air purifying respirator with an organic filter.

**Hand protection:**

Work gloves

**Eye protection:**

Wear face shield or tightly fitting safety goggles (chemical goggles) if splashing hazard exists.

**General safety and hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice. Wash soiled clothing immediately.

### 9. Physical and Chemical Properties

Form:	solid	
Odor:	No characteristic odor	
Color:	Varies	
pH value:	>= 7	
Melting temperature:	Degridation begins at 250 °C	
Boiling point:	> 200 °C	
Vapour pressure:	< 0.1 hPa	( 25 °C)
Density:	approx. 1.05 – 1.28 g/cm3	( 20 °C)
Bulk density:	approx. 500 kg/m3	( 20 °C)
Vapour density:		not applicable
Partitioning coefficient n-octanol/water (log Pow):		not applicable
Viscosity, dynamic:		not determined
Solubility in water:		not soluble
Other Information:	None	

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### 10. Stability and Reactivity

**Conditions to avoid:**

> 300 degrees Fahrenheit

Avoid extreme heat. Avoid all sources of ignition: heat, sparks, open flame.

Incompatible with strong acids and bases

**Hazardous reactions:**

The product is chemically stable.

**Decomposition products:**

Thermal decomposition products: carbon monoxide, carbon dioxide, hydrogen cyanide, ether, esters, ketones

**Thermal decomposition:**

No decomposition if stored and handled as prescribed/indicated.

**Corrosion to metals:**

No corrosive effect on metal.

**Oxidizing properties:**

not fire-propagating

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### 11. Toxicological information

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**Sensitization:**

Result: Non-sensitizing.

**Aspiration Hazard:**

No aspiration hazard expected.

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### 12. Ecological Information

**Other adverse effects:**

The product has not been tested. Do not discharge product into the environment without control.

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### 13. Disposal considerations

**Waste disposal of substance:**

Dispose of in a licensed facility, in accordance with all local, state, and federal regulations.

**Container disposal:**

Incinerate or dispose of in a licensed facility.

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### 14. Transport Information

**Land transport**

USDOT

Not classified as a dangerous good under transport regulations

**Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

**Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

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### 15. Regulatory Information

#### Federal Regulations

##### Registration status:

Chemical TSCA, US released / exempt

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### 16. Other Information

Recommended use: polyurethane component industrial chemicals  
Suitable for use in industrial sector: Polymers industry; chemical industry

#### NFPA Hazard codes:

Health: 1 Fire: 1 Reactivity: 1 Special:

#### HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. We support our customers in ensuring the safe and environmentally sound handling, storage, and transportation of our products.

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