

# MATERIAL SAFETY DATA SHEET

---

## SECTION 1

---

**Manufacturers Name:** Plexinate USA Ltd  
**Street Address:** 2423 Pigeon Point Rd.  
**City, State & Postcode:** Baufort SC 29902  
**Telephone Number:** (843)592-0024  
**Chemical Name:** Polyurethane Resin  
**Trade Name:** Plexinate P100

---

## SECTION 2: HAZARDOUS CLASSIFICATION

---

**U.N. No:** 1866      **Dangerous Goods Class:** 3  
**Hazchem:** 3(Y)      **CAS NO.** Mixture  
**Packaging GP:** III

---

## SECTION 3: PHYSICAL DATA

---

**Boiling Point (0C):** 146 (Styrene)  
**Vapour Pressure (MM Hg):** 7.0 mmHg@20oC  
**Solubility In Water (g/L):** Insoluble  
**Appearance & Odour:** Straw yellow viscous liquid. Pungent styrene odour.  
**Specific Gravity (H20=1):** 1.04  
**Flash Point:** 29oC

<b>Component:</b>	<b>Cas No:</b>	<b>WT%:</b>
Polyurethane Polymer	Mixture	55
Styrene	100-42-5	40-45
Mono Methyl Methacrylate	80-62-6	0-2.5

---

## SECTION 4: FIRE AND EXPLOSION – HAZARD DATA

---

**Extinguishing Media:** Water fog, Carbon dioxide, dry chemical, foam  
**Special Fire Fighting Procedures:** Keep people away. Isolate fire area and deny unnecessary entry. Wear positive pressure self contained breathing apparatus.  
**Unusual Fire & Explosion Hazard:** Dense smoke is produced when product burns. Under fire conditions, the polymer may

decompose and the smoke may contain polymer fragments including but not limited to carbon dioxide, carbon monoxide.

---

### SECTION 5: HEALTH HAZARD DATA

---

**Situation**

**Swallowed:** May cause Nausea,

**First Aid**

Do not induce vomiting. Obtain medical attention without delay

**Skin Contact:** Irritant

Remove contaminated clothing. Wash skin thoroughly with soap and water.

**Inhalation:**

Remove to fresh air. If discomfort persists seek medical advice. Signs of excessive exposure may be anesthetic or narcotic effects.

**Eye Contact:**

Irrigate with copious quantities of water. Seek medical advice.

---

### SECTION 6: REACTIVITY DATA

---

Avoid storage in direct sunlight and at temperatures above 45oC.

Avoid contact with oxidising materials and metal salts.

---

### SECTION 7: SPILL OR LEAK PROCEDURES

---

**Spills and Disposal.**

Do not breathe vapours. Do not allow entry into sewers or any body of water. Protect the environment. Collect all spilled material and dispose of in accordance with local laws.

---

### SECTION 8: SPECIAL PROTECTION INFORMATION

---

**Respiratory Protection:**

Atmospheric levels should be maintained below the exposure standard.(50ppm TWA).When respiratory protection is required, use an approved air-purifying or positive pressure respirator.

**Ventilation:**

General ventilation is usually adequate. Where product is used in an enclosed area, local extraction is recommended to keep levels below TWA limit.

**Protective Gloves:**

PVC or rubber gloves recommended.

**Protection:**

Splash proof goggles recommended

**Company Environmental Contact:** Tim Scott

**Phone:**

**011(649) 444 4558**

**Issued by:**

Tim Scott

**Date:**

4 May 1999