

## MATERIAL SAFETY DATA SHEET

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME** : PU 101Polyurethane Sealant  
**DISTRIBUTOR** : Rich Innovation Marketing, Inc.  
**DIVISION** : PU Sealant Derpartment  
**ADDRESS** : 823 Zacateros St., Sta. Cruz Manila, Philippines  
**TELEPHONE** : 733-3007; 733-7783 Fax: 736-4589  
**Product Use** : Specific Use: Adhesive/Sealant for Windshields

### SECTION 2: INGREDIENTS

INGREDIENTS	C.A.S. No	% by Wt
POLYURETHANE PREPOLYMER	68130 – 40 – 5	30 – 55
PLASTICIZER	117 – 84 – 0	5 – 10
Carbon black	1333 – 86 – 4	10 – 20
Calcium Carbonate	471 – 34 – 1	10 – 20
CALCIUM OXIDE	1305 – 78 – 8	1 – 5
Thickener precipitated	112945 – 52 – 5	1 – 5
XYLENE	1330 – 20 – 7	< 1

### SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

**Specific Physical Form** : Paste  
**Odor, Color, Grade** : Black, neutral odor  
**General Physical Form** : Solid  
**Autoignition temperature** : >400 °C  
**Flash Point** : 70 °C  
**Boiling point** : mixture's boiling point is not Established  
**Density** : 1.2 kg/l  
**Vapor Density** : <8hPa  
  
**Vapor Pressure** : <35mbar  
**pH** : neutral  
**Melting point** : mixture's melting point is not Established  
**Solubility in Water** : Negligible  
**Volatile Organic Compounds** : <60g/l  
**Percent volatile** : <5%

### SECTION 4: HAZARDS IDENTIFICATION

#### 4.1 EMERGENCY OVERVIEW

**Specific Physical Form:** Paste  
**Odor, Color, Grade:** Black, neutral odor  
**General Physical Form:** Solid

**Immediate health, physical, and environmental hazards:** May cause allergic skin reaction. May cause allergic respiratory reaction. Contains a chemical or chemicals which can cause cancer. May cause target organ effects. Contains a chemical or chemicals which can cause birth defects or other reproductive harm

## 4.2 POTENTIAL HEALTH EFFECTS

### Eye Contact:

Mild Eye Irritation: Signs/symptoms may include redness, pain, and tearing.

### Skin Contact:

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, and itching. Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching. May be absorbed through skin and cause target organ effects.

### Inhalation:

Upper Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Allergic Respiratory Reaction: Signs/symptoms may include difficulty breathing, wheezing, cough, and tightness of chest. During grinding, scraping, sanding: Pneumoconiosis: Signs/symptoms may include persistent cough, breathlessness, chest pain, increased amounts of sputum, and changes in lung function tests. May be absorbed following inhalation and cause target organ effects.

### Target organ effects

Prolonged or repeated exposure may cause:

Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Prolonged or repeated exposure, above recommended guidelines, may cause:

Central Neuropathy: Signs/symptoms may include irritability, memory impairment, personality changes, sleep disorders, and decreased ability to concentrate.

Persons previously sensitized to isocyanates may develop a cross-sensitization reaction to other isocyanates.

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

### Carcinogenicity:

INGREDIENT	C.A.S.No.	Class Description	Regulation
CARBON	133 – 86 – 4	Group 2B	Internal Agency for Research on Cancer

## SECTION 5: PREVENTIVE MEASURES

### 5.1 INDIVIDUAL EQUIPMENT PROTECTION

**Gloves:** Use chemical resistant gloves.

**Respiratory equipment:** Not necessary under normal use.

**Eyes:** Fullface mask or safety glasses

**Shoes:** —

**Clothing:** Rubber Apron

**Other:** Eye wash station, shower

**Ventilation:** Sufficient ventilation required.

**Procedure in case of leaks:** Absorb with sand or other absorbant material.

**Handling and Equipment methods:** Avoid skin, eye and clothing contact

**Warehouse Requirements:** Keep all containers closed in a cool, dry area. Keep away from heat and open flame.

**Residue Elimination:** Dispose of sand and rinse water according to municipal, provincial or federal laws for disposal of chemicals.

## SECTION 6: FIRST AID MEASURES

### 6.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

**Skin:** Remove contaminated clothing and shoes.

Wash immediately with plenty of water.

Wash clothing before re-wearing.

Consult a physician if required.

**Eyes:** Rinse eyes immediately with plenty of water for several minutes to ensure a proper wash. See a physician immediately.

**Inhalation:** In the case overexposure, evacuate to fresh air. Consult a physician if required.

Ingestion: drink plenty of water. Do not induce vomiting. See a physician immediately. Do not give anything by mouth to an unconscious person.

## SECTION 7: FIRE AND EXPLOSION HAZARDS

**Inflammability:**

Combustible

**If yes, under what conditions:**

Flame, spark

**Extinguishing methods:**

Foam, dry chemical products, CO<sub>2</sub>, water for large flames.

**Special Methods:**

Firefighters must wear complete protective clothing with respiratory equipment and they must protect any exposed skin. Heated isocyanates react strongly with water.

## SECTION 8: REACTIVITY DATA

**Chemical stability:**

Yes

**If not, under what conditions:**

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<b>Incompatibility with other material:</b>	Yes
<b>If Yes, which ones:</b>	Acid, Strong oxidizer, amine.
<b>Dangerous decomposition products:</b>	CO, Carbon Anhydride Aldehydes, Ketones, HCL, Nitrogen Oxide, TDI, MDI.
<b>Polymerization Risks:</b>	No

## SECTION 9: HANDLING AND STORAGE

### 9.1 HANDLING

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition. Avoid contact with water. No smoking while handling this material. Avoid skin contact. Avoid breathing of fumes. Keep out of the reach of children. Avoid breathing of dust created by cutting, sanding, grinding or machining. For industrial or professional use only. Do not breathe vapors. Avoid eye contact with dust or airborne particles.

### 9.2 STORAGE

Store away from acids. Store away from heat. Store out of direct sunlight. Keep container in well-ventilated area. Store away from oxidizing agents. Protect from moisture and extremes of temperature.

### Notice to Reader:

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are included. Our most current General Sales Conditions shall apply. Please consult the Technical Data Sheet prior to any use and processing.