

# Material Safety Data Sheet

Revision Date: 1/10/11

NA = Not Applicable NE = Not Established

## Section 1. General Information

Product name: **IPANOL CWR "B"**  
 Chemical name: Polyether Polyol System  
 Chemical family: Polyol System  
 Synonyms:  
 CAS Number: N/A Mixture  
 TSCA: On Inventory  
 Manufacturer: **IPA Systems, Inc.**  
 2745 North Amber Street, Philadelphia, Pa. 19134  
 Phone: 800-523-3834 • 215-425-6607  
 Fax: 215-425-6234  
 E-mail: info@ipasystems.com  
 Website: www.ipasystems.com

Emergency Phone Number - Chemtrec: 800-424-9300

## Section 2. Hazards Ingredients/Sara III Information

<u>INGREDIENTS/CAS#</u>	<u>CONCENTRATION (%)</u>	<u>CURRENT TLV/PEL</u>
Propoxylated Polyols 9049-71-2, 9003-11-6, 102-60-3	<70	N.E.
Epoxy Resin 25068386	<20	
Aluminosilicate	<.2	10MG/CU.M DUST
Isoparaffinic Hydrocarbon 64742-48-9	<30	N.E.
NE: not established	ND: not determined	NA: not applicable

## Section 3. Physical/Chemical Characteristics

Appearance and odor: Amber to dark brown liquid, faint acetic-like odor  
 Odor Threshold: N.E.  
 Melt Point/Freeze Point: N.E.  
 V.O.C. %: 11.9  
 Boiling Point: 410°-550°F  
 Specific Gravity: Approx. 1.2  
 Vapor Pressure: 0.14 MM HG @ 20  
 Vapor Density: (Air=1): ND  
 Bulk Density: Approx. 9.82 lbs/gal  
 Solubility in water: Considerable (Greater than 50% soluble in water)

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## **Section 4. Fire and Explosion Hazard Information**

Flash Point: 180°F (82°C) PMCC  
Flammable Limits in Air By Volume: Lower (LEL): N/E Upper (UEL):N.E.  
Auto Ignition Temperature: 910°F

**EXTINGUISHING MEDIA:** Dry chemical extinguishers such as monoammonium phosphate, potassium sulfate, potassium chloride. Additionally, carbon dioxide, high expansion (protenic) chemical foam. Water spray for large fires.

**SPECIAL FIRE FIGHTING PROCEDURES:** Do not direct solid water stream or foam into hot, burning pools; this may cause frothing and increase fire intensity. Use self-contained breathing apparatus and body covering protective clothing; burning can produce oxides of carbon and nitrogen.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Combustible liquids are contained in this product. Do not cut, weld or grind on or near container due to possible toxic fume generation or explosion due to flammable vapor residue. Use explosion proof equipment where vapor concentrations can become ignitable. Ground transfer lines and equipment. Keep away from source of ignition.

## **Section 5. Health Hazard Data**

<b>ANIMAL TOXICITY:</b>	Oral, LD 50 (Ingestion)	N.E.
	Dermal, LD 50 (Skin Contact)	N.E.
	Inhalation, LC 50 (4 Hrs.)	N.E.
	Aquatic, LC 50 (24 Hrs.)	N.E.
	Eyes	N.E.
	Skin	N.E.

### **HUMAN EFFECTS OF OVEREXPOSURE:**

**INHALATION:** May cause irritation to the throat and respiratory passages, but at room temperature, vapor inhalation is not considered hazardous.

**SKIN CONTACT:** This product contains amine catalyst and will cause irritation to the skin after prolonged contact. Some individuals may be more sensitive to exposure.

**INGESTION:** This is not considered a common occupational route of exposure, and no observable effects have been demonstrated.

**THRESHOLD LIMIT VALUE (ACGIH):** No TLV has been established for this product as a system.

**PERMISSIBLE EXPOSURE LIMITS (OSHA):** Same as above.

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## Section 6. Emergency & First Aid Procedures

**EYE CONTACT:** Flush with clean, lukewarm water at low pressure for at least 15 minutes, occasionally lifting eyelids. Consult a physician immediately.

**SKIN CONTACT:** Remove contaminated clothing. Wash exposed areas thoroughly with warm soapy water. Contaminated clothing should be properly laundered before reusing.

**INHALATION:** Remove victim from areas of exposure to safe area

**INGESTION:** Do not induce vomiting. Never induce vomiting or give anything to drink to an unconscious person.

**NOTE TO PHYSICIAN:** Basically treatment is symptomatic.

## Section 7. Employee Protection Recommendations

**VENTILATION:** Natural or mechanical. Local exhaust will keep the TLV below minimum in most cases. Spills or other emergencies may require more forceful ventilation means.

**RESPIRATORY PROTECTION:** This product has demonstrated no observable effects at room temperature. However, it is highly recommended that an air purifying respirator with organic filter cartridges be worn. In addition, in any spray application, a supplied air source must be provided.

**EYE PROTECTION:** Liquid chemical goggles or full-face shield. No contact lenses should be worn.

**SKIN PROTECTION:** Chemical resistant gloves such as natural rubber or polyvinyl alcohol. Cover as much exposed skin as possible with appropriate clothing. If skin creams are used, keep the area covered by the cream to a minimum.

**OTHER:** Unhindered access to safety shower and eye wash stations. As a general hygienic practice, wash hands and face after use. Showers and cleaning of clothes are recommended. Follow all label instructions. Educate and train employees in safe use.

## Section 8. Reactivity Data

**STABILITY:** Stable. .

**HAZARDOUS POLYMERIZATION:** Will not occur.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Oxidizing materials, isocyanates, and acids. Alkali or alkaline earth metals (aluminum, zinc, beryllium and copper).

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Aliphatic fragments, CO, NH<sub>3</sub>, CO<sub>2</sub>.

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## Section 9. Spill or Leak Procedures

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Contain the spilled material and then cover with a loose, absorbent material such as oil dry, vermiculite, sawdust, or Fuller's earth. Shovel waste material into proper waste containers and wash contaminated area with hot soapy water, thoroughly. Ventilate to remove vapors.

**WASTE DISPOSAL METHOD:** Waste material may be incinerated or disposed in compliance with all relevant local, state, and federal laws and regulations controlling environmental protection.

**EMPTY CONTAINER PRECAUTIONS:** Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. All containers should be disposed of in an environmentally safe manner and in accordance with government regulations.

## Section 10. Special Precautions & Storage Data

**STORAGE TEMPERATURE:** Store away from heat, ignition source and open flame (MIN/MAX): 65F° (18C°) to 75F° (24C°)

**AVERAGE SHELF LIFE:** Six (6) months from date of manufacture.

**SPECIAL SENSITIVITY (HEAT, LIGHT, MOISTURE):** This product is hygroscopic. Containers should be tightly sealed to prevent moisture contamination. Do not expose to high temperatures for any length of time.

**PRECAUTIONS IN HANDLING AND STORING:** If contamination of the isocyanate is suspected, do not re-seal container because of possible rupture due to pressure buildup. Always slowly vent container when opening to relieve any pressure buildup.

## Section 11. Shipping Data

**TECHNICAL SHIPPING NAME:** Polyol System  
**UN NUMBER:** None  
**PRODUCT LABEL:** Established  
**PLACARDS REQUIRED:** None HMIS: F-1,H-1,R-1  
**FREIGHT CLASS PACKAGE:** Polypropylene Glycol  
**FREIGHT CLASS (BULK):** Polypropylene Glycol

**DOT (HM-181) (Domestic Surface)**  
**PROPER SHIPPING NAME:** Not Regulated  
**HAZARD CLASS OR DIVISION:** Not Regulated  
**HAZARDOUS SUBSTANCE:** None  
**HAZARD PLACARDS:** None

**IMO/IMDG (OCEAN)**

**TRANSPORTATION EMERGENCY TELEPHONE NUMBER: 1-800-424-9300 (CHEMTREC)**

**USER'S RESPONSIBILITY:** A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions, in addition to those described herein, are required. Any health hazard and safety information herein should be passed on to your customers or employees, as the case may be.

**DISCLAIMER:** The information contained herein is, to the best of our knowledge and belief, accurate and current as of the date of this MSDS. However, since the conditions of handling use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representations or warranties, either expressed or implied or merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.