INNOVATIVE POLYMER SYSTEMS, INC.
8530 Milliken Avenue
Rancho Cucamonga, CA 91730
TEL 909-941-4999 FAX 909-941-4944
www.ipspolymer.com

Material Safety Data Sheet

Code: **EC "B"**
Issue date: 3-1-96
Updated: 4/10/06

I. Product Identification - Elastomer "B" Component (TAP Quik-Cast)

Product Name: Two-Component Casting Urethane
Product Code: EC2300, EC3100, EC3150, EC3200, EC3200, EC3201, EC3202, EC3211, EC3300, EC3302, EC3400, EC3434, EC3450, EC3460, EC3500, EC3700, EC3900, EC4400, EC4401, EC4600 (including all designations such as -60, -150, -180M, etc. following product code)
Chemical Family: Polyether Polyol
Chemical Name: Polyether Polyol
Synonyms: Polyol, Urethane Resin, "B" Component
CAS Number: N/A
TSCA Status: On Inventory

II. Hazardous Ingredients*

Components:	Approx. %	Current TLV/PEL
Hydroxyl Terminated Poly (Oxyalkylene) Polyether Cas# 9082-00-2	40 - 60	N.E.
Amine Bearing Hydroxyl Terminated Poly (Oxyalkylene) Polyether Cas# 25214-63-5	30 - 40	N.E.

* Ingredients not precisely identified are proprietary or not hazardous. Values are not product specifications.

III. Physical Data

Appearance:	Viscous Liquid
Color:	Clear To Water White
Odor:	Mild Odor
Molecular WT:	N/A
Melt Point / Freeze Point:	<-13°F. (<-20°C.)
Boiling Point:	Decomposes
Vapor Pressure:	< 30 MM HG
Vapor Density (Air = 1):	> 1.0
Specific Gravity:	1.026
Solubility In Water:	Slightly Soluble
VOC %:	0

IV. Fire & Explosion Data

Flash Point: 360°F. (182°C.) PMCC
Flammable Limits In Air By Volume -
Lower: N.E (Nonvolatile Fluid)
Upper: N.E (Nonvolatile Fluid)
Extinguishing Media: Dry chemical extinguishers such as Monoammonium Phosphate, Potassium Sulphate, Potassium Chloride. Additionally, Carbon Dioxide, high expansion (Protenic) chemical foam, water spray for large fires.
Special Fire Fighting Procedure: 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.

V. Health Hazard Information

Animal Toxicity

Oral, LD50 (ingestion):	N.E.
Dermal, LDS50 (skin contact):	N.E.
Inhalation, LC50 (4 HR):	N.E.
Eyes:	N.E.
Skin:	N.E.
Aquatic, LC50 (24 HR):	N.E.

Human Effects of Overexposure

Inhalation:	No evidence of adverse effects from available information.
Skin:	No evidence of adverse effects from available information.
Ingestion:	No evidence of adverse effects from available information.
Threshold Limit Value (ACGIH):	No TLV has been established.
Permissible Exposure Limit (OSHA):	Same as above.
Suspected Carcinogenic:	
Federal OSHA:	Not regulated.
CAL OSHA:	Not regulated.
NTP:	Not listed.
IARC:	Not listed.

Medical conditions aggravated by exposure: No data available.

VI. Emergency & First Aid Procedures

Eye contact:	Flush with clean, lukewarm water at low pressure for at least 15 minutes, occasionally lifting eyelids. Not considered to have any adverse effects.
Skin Contact:	Remove contaminated clothing. Wash exposed area thoroughly with warm soapy water. Contaminated clothing should be properly laundered before reusing. Not considered to have any adverse effects.
Inhalation:	Remove victim from area of exposure to safe area. Not considered to have any adverse effects.
Ingestion:	Induce vomiting. Never give anything to drink to an unconscious person or induce vomiting in an unconscious person. Not considered to have adverse effects.

VII. Employee Protection Recommendations

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 as possible with appropriate clothing.
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.
Ventilation:	Natural or mechanical. Local exhaust will keep the TLV below minimum in most cases.
Other:	Safety showers and eye wash stations should be provided in all work areas. All employees should be properly trained.

VIII. Reactivity Data

Stability:	Stable.
Polymerization:	Will not occur.
Incompatibility (materials to avoid):	Avoid contact with isocyanates and other substances that react with hydroxyl groups.
Hazardous Decomposition Products:	Aliphatic fragments, CO, NH3, CO2.

IX. Spill Or Leak Procedures

Steps to be taken in case material is spilled or released:

Contain the spilled material and then cover with a loose, absorbent material such as oildry, vermiculite, sawdust, or fuller's earth. Shovel waste material into proper waste containers. Wash the contaminated areas with hot soapy water thoroughly. Ventilate area to remove vapors.

Waste Disposal Methods: Waste material may be incinerated or disposed of under local, state and federal regulations controlling environmental protection.

X. Special Precautions & Storage Data

Storage Temperature (Min/ Max):	65°F. (18°C.) to 75°F. (24°C.)
Average Shelf Life:	6 months from date of mfg.
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 as aldehydes may be formed.
Precautions in Handling and Storage:	If contamination with isocyanates 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.

XI. Shipping Data

Technical Shipping Name:	Polyether Polyol Blend
Dot Hazard Classification:	Non-regulated
Freight Class Bulk:	Polypropylene Glycol
Freight Class Package:	Polypropylene Glycol
Product Label:	"B" Component Polyol
Place Cards Required:	None
HMIS:	F-1, H-2, R-0

For further information, contact Innovative Polymer Systems, Inc. at (909) 937-3320

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Innovative Polymer Systems, Inc. The data on these sheets relates only to the specific material designated herein. Innovative Polymer Systems, Inc. assumes no legal responsibility for use or reliance upon this data.