



Safety Data Sheet Urethane Resin- Part B

SDS Code: **F “B”**

Issue date: 03/01/2006

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1. PRODUCT AND COMPANY IDENTIFICATION

Company: Accella Polyurethane Systems
8530 Milliken Avenue
Rancho Cucamonga, CA 91730

24-Hr. Emergency
Response Information: CHEMTREC 800-424-9300
Accella Polyurethane Systems (8:00am-5:00pm, pacific time)

Product Name: Two-Component Urethane Resin
Product Codes: IPS 4000 Series, 4001, 4003, 4004, 4020, 4100, 4101, 4102, 4103, 4150, 4181, 4190, 4201, 4202, 4203, 4205, 4206, 4235, 4245, 4400, 4500, 4501, 4818, 4600, 4601, 4602, 4603, 4700, 4880,
(Including all designations such as, but not limited to, -20FR, -3.5, -13FR, etc. following product code)

Chemical Family: Polyether Polyol
Chemical Name: Polymeric Polyol
Synonyms: Graft Polyol, Urethane Resin, “B” Component
CAS Number: N/A
TSCA Status: On Inventory

2. HAZARDS IDENTIFICATION

Caution: May cause eye, skin, and respiratory tract irritation

This material is found at low residual levels and meets performance exemption (a)(2)(i.i) of the OSHA Acrylonitrile standard.

Human Effects of Overexposure

Inhalation: May cause irritation to the throat and respiratory passages but at room temperature, vapor inhalation is not considered hazardous. This product contains acrylonitrile; avoid breathing vapors in shipping containers.

Skin: No evidence of adverse effects from available information.

Ingestion: This is not considered a common occupation route of exposure, and no observable effects have been demonstrated.

Suspected Carcinogenic:

Federal OSHA:	Not regulated.
CAL OSHA:	Not regulated.
NTP:	Not listed.
IARC:	Not listed.

Medical conditions aggravated by exposure: No data available.

Primary Routes of Exposure: Inhalation, Skin, and Eye

Hazard statements:

H335 May cause respiratory irritation.

Precautionary Statements:

P260 Do not breathe fumes/ mist/ vapors/ spray.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P285 In case of inadequate ventilation wear respiratory protection.
302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component Chemical Name:</u>	<u>CAS Number:</u>	<u>Approx. Content</u>
Hydroxyl Terminated Poly (Oxyalkylene) Polyether	9082-00-2	85-95%
Tertiary Amine Bearing Compound	N.E.	<2

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

4. FIRST-AID MEASURES

<u>Exposure</u>	<u>Method</u>
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 area with warm soapy water thoroughly. Contaminated clothing should be properly laundered before reusing.
Inhalation:	Remove victim from area of exposure to safe area.
Ingestion:	Induce vomiting. Never give anything to drink to an unconscious person or induce vomiting in an unconscious person.
Note to Physician: Basically, treatment is symptomatic.	

5. FIRE-FIGHTING MEASURES

Flash Point:	455°F. (235°C.) COC
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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Clear area. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment if cleaning a minor spill.

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 oil-dry, 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.

7. HANDLING AND STORAGE

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.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<u>Component Chemical Name:</u>	<u>CAS Number:</u>	<u>ACGIH TLV/OSHA PEL</u>
Hydroxyl Terminated Poly (Oxyalkylene) Polyether	9082-00-2	None Established
Tertiary Amine Bearing Compound	None Existent	None Established

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. If skin creams are used, keep the area covered by the cream to a minimum.
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 concentration of vapors below minimum in most cases. Spills or other emergencies may require more forceful ventilation means.
Other:	Safety showers and eye wash stations should be provided in all work areas. All employees should be properly trained to work with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Viscous Liquid
Color:	Opaque White to Opaque Yellow
Odor:	Slightly Sweet Odor
Molecular WT:	N/A
Melt Point / Freeze Point:	<-13°F. (<-20°C.)
Boiling Point:	Decomposes
Vapor Pressure:	< 50 MM HG
Vapor Density (Air = 1):	> 1.0
Specific Gravity:	1.06
Solubility In Water:	Slightly Soluble
VOC %:	0

10. STABILITY AND REACTIVITY

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, Carbon Monoxide (CO), Ammonia (NH ₃), Carbon Dioxide (CO ₂).

11. TOXICOLOGICAL 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:	May cause irritation to the throat and respiratory passages but at room temperature, vapor inhalation is not considered hazardous. This product contains acrylonitrile; avoid breathing vapors in shipping containers.
Skin:	No evidence of adverse effects from available information.
Ingestion:	This is not considered a common occupation route of exposure, and no observable effects have been demonstrated.

Threshold Limit Value (ACGIH):	No TLV has been established.
Permissible Exposure Limit (OSHA):	No PEL has been established.
Suspected Carcinogenic:	
Federal OSHA:	Not regulated.
CAL OSHA:	Not regulated.
NTP:	Not listed.
IARC:	Not listed.

Medical conditions aggravated by exposure: No data available.

*N.E. Non-Existent

12. ECOLOGICAL INFORMATION

This product has not been tested.

13. DISPOSAL CONSIDERATIONS

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.

Waste Disposal Methods: Waste material may be incinerated at proper facilities or disposed of under Local, State, and Federal regulations controlling environmental protection, as regulations may vary from local to local.

Waste Characterization: Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

Preferred Options: Send to licensed, permitted Recycler, Reclaimer, Incinerator, or other thermal based destruction device.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

Threshold Limit Value (ACGIH):	No TLV has been established.
Permissible Exposure Limit (OSHA):	NO PEL has been established.
Suspected Carcinogenic:	
Federal OSHA:	Not regulated.
CAL OSHA:	Not regulated.
NTP:	Not listed.
IARC:	Not listed.

16. OTHER INFORMATION

NFPA Hazard Codes:	F-1, H-2, R-0
HMIS:	F-1, H-2, R-0

Recommended Uses and Restrictions

We recommend that you use this product in a manner consistent with the listed use. If your intended use is not consistent with the stated use, please contact your sales or technical service representative.

For further information, contact Accella Polyurethane Systems at (909) 941-4999

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