



## MATERIAL SAFETY DATA SHEET

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### I. PRODUCT IDENTIFICATION

PRODUCT NAME: **IS50346B**  
CHEMICAL FAMILY: Polyester Polyol Blend

### II. HAZARDOUS INGREDIENTS

This product contains no hazardous ingredients as defined under the criteria of the Federal OSHA Hazardous Communication Standard 29 CFR 1910.1200.

INGREDIENT NAME/ CAS NUMBER	%	EXPOSURE LIMITS	
		OSHA PEL	ACGIH TLV

### III. PHYSICAL / CHEMICAL CHARACTERISTICS

APPEARANCE (physical form, color, texture, etc.)	Light yellow liquid.
ODOR:	Slight.
MELTING POINT:	Not established.
BOILING POINT:	Not established.
VAPOR PRESSURE (mm Hg):	Not established.
VAPOR DENSITY (Air = 1)	Not established.
SPECIFIC GRAVITY (H <sub>2</sub> O = 1):	1.17 @ 77°F (25°C)
EVAPORATION RATE (Butyl Acetate = 1):	Not established.
SOLUBILITY IN WATER:	Negligible.
BULK DENSITY:	9.76 lb/gal

### IV. FIRE & EXPLOSION HAZARD DATA

FLASH POINT (Method Used): 420.0°F (215.56°C) (Pensky-Martens Closed Cup)

FLAMMABLE LIMITS:

LEL (Lower Explosion Limit)= Not established.  
UEL (Upper Explosion Limit)= Not established.

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical, water spray.

SPECIAL FIRE FIGHTING PROCEDURES: Evacuate area. Fight fire from a safe distance. Fire-fighters should wear full emergency equipment with self-contained breathing apparatus and full protective clothing. Use cold water spray to cool fire-exposed containers to minimize risk of rupture. Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.

UNUSUAL FIRE & EXPLOSION HAZARDS: None reported.

### V. REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID (if unstable): Not applicable.

INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing agents, Isocyanates.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: By fire and thermal decomposition: Carbon Dioxide (CO<sub>2</sub>), Carbon Monoxide (CO), Oxides of nitrogen (NO<sub>x</sub>), Dense black smoke, Other undetermined compounds.

*HAZARDOUS POLYMERIZATION:* Will not occur.  
*CONDITIONS TO AVOID (if polymerization may occur):* Not applicable.

## VI. HEALTH HAZARD DATA

*PRIMARY ROUTES OF ENTRY:*

*INHALATION?* No.  
*SKIN CONTACT?* Yes.  
*EYE CONTACT?* Yes.  
*INGESTION?* No.

*HEALTH HAZARDS:*

*INHALATION-* None known.

*SKIN-* None known.

*EYE-* None known.

*INGESTION-* None known.

*CARCINOGENICITY:*

*NTP (National Toxicology Program)?* No.  
*IARC (International Agency for Research on Cancer)?* No.  
*OSHA REGULATED?* No.

*MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:* None known.

*EMERGENCY & FIRST AID PROCEDURES:*

*INHALATION-* Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, administer oxygen (qualified medical personnel only). Seek medical attention if irritation develops.

*SKIN-* Remove all contaminated clothing and shoes. Wash skin thoroughly with soap and water for at least 15 minutes. Wash clothing before wearing again. Clean shoes before wearing again. If irritation develops or persists, consult a physician.

*EYE-* Flush with large amounts of water for at least 15 minutes, using fingers to hold eyelids open to insure that the eyes are being irrigated. Consult a physician if ill effects or irritation occurs.

*INGESTION-* Do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

## VII. PRECAUTIONS FOR SAFE HANDLING & USE

*STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:*

- Stop the spill or leak.
- Contain or dike the spilled product.
- Evacuate spill area and keep nonessential or unprotected personnel away.
- Equip clean-up personnel with necessary personal protective equipment (see Section VIII-Control Measures).
- Absorb small spills with inert material (e.g. dry sand, earth, chemical absorbent, etc.).
- Scoop up absorbed material and absorbent and place in an approved chemical waste container.
- Large spills may be taken up with pump or vacuum & then finished off with dry absorbent.
- Wash spill area with soap and water.
- Report spill per regulatory requirements.

*WASTE DISPOSAL METHOD:* Dispose of in accordance with applicable federal, state, and local regulations.

*EMPTY CONTAINER PRECAUTIONS:* Recondition or dispose of empty container in accordance with governmental regulations. Empty containers retain product residue; Observe all precautions for product. Do not heat or cut container with electric or gas torch.

*PRECAUTIONS TO BE TAKEN IN HANDLING & STORING:* Recommended storage temperature: 60°F (15.56°C) - 110°F (43.33°C). Recommended storage period: 6 months. Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling. Keep container closed when not in use. Material is hygroscopic and may absorb small amounts of atmospheric moisture. If contamination with isocyanates is suspected, do not reseal containers. Avoid inhalation of vapor or mist.

OTHER PRECAUTIONS: None.

## VIII. CONTROL MEASURES (INCLUDING PERSONAL PROTECTION)

**VENTILATION:** Under normal conditions of use, special ventilation is not required.

**RESPIRATORY PROTECTION:** None required under normal conditions of use. NIOSH-approved air-supplied respirator during die cleaning, high temperature processing or when thermal decomposition is suspected.

**SKIN PROTECTION:** Permeation resistant gloves (Butyl rubber, nitrile, neoprene, etc.).

**EYE PROTECTION:** Safety glasses with side shields.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Safety showers and eyewash stations should be readily available and in working condition.

**WORK/HYGIENIC PRACTICES:** Wash hands, forearms, and face thoroughly after handling product and before eating, smoking, using lavatory, and at the end of the day. Educate and train employees in safe use of product. Follow all label instructions.

## IX. OTHER INFORMATION

**OSHA HAZARD COMMUNICATION STATUS:** This product is not considered hazardous as defined under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

**RCRA STATUS:** If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (See 40 CFR 261.20-24).

**US INVENTORY (TSCA):** The ingredients of this product are listed on the TSCA inventory or are not required to be listed on the TSCA inventory.

**SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA), TITLE III:**

Sections 301-303 – Emergency Planning – Extremely Hazardous Substances:

None.

Section 304 – Emergency Release Notification – Reportable Substances:

None.

Section 311/312 – Community Right-to-Know Reporting Requirements - Emergency Hazard Categories:

None.

Section 313 – Toxic Chemical Notification & Release Inventory Reporting – Listed Substances:

None.

This information must be included in all MSDSs that are copied and distributed for this material.

## IX. OTHER INFORMATION

**HMIS RATINGS:**

Health – 0                      Flammability – 1                      Reactivity – 0  
(0=Minimal; 1=Slight; 2=Moderate; 3=Serious; 4=Severe, \*=Chronic)

PPE – B (safety glasses, gloves; assuming a non-splash work environment with adequate ventilation. See Section VIII-Control Measures (Including Personal Protection) for more information.)

## X. APPROVALS

**PREPARED BY:** ITWC Compliance Dept. (lt)

**APPROVED BY:** ITWC Director of Technical Service. (sjl)

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