

**MATERIAL SAFETY DATA SHEET**

URETHANE TECHNOLOGY COMPANY - 59-77 TEMPLE AVENUE - NEWBURGH NY 12250 - (914) 561-5500
800-424-9300 (24 HOURS) FOR SPILLS, LEAKS, FIRE & EXPOSURE (CHEMTREC)

SECTION 1 PRODUCT IDENTIFICATION

Product name:

UTC – WATER BLOWN B COMPONENTS

Synonyms: Polyether polyol blend

Chemical Family: Polyol

Formula: Blend of Polyether Polyols

Description: Urethane Intermediate

OSHA Hazard classification: This product is not considered to be hazardous under 29 CFR 1910.1200.

SECTION 2 COMPONENT DATA**PRODUCT COMPOSITION**

CAS or Chemical Name:

CAS Number: 9049-71-2/25791-96-2

Percentage Range: Mixture

Hazardous Per 29 CFR 1910.1200: No

Exposure Standards: None Established

SECTION 3 PHYSICAL DATA

Appearance and odor: clear colorless liquid, odorless to slightly musty

Decomposition Temperature: No data

Specific Gravity: (Water=1) 0.9-1.1 @ 70°F

PH: @ 25°C: 5-7 (10/6 Isopropanol/Water)

Solubility in water: Soluble

Volatiles, percent by volume: 0-1

Evaporation Rate: no data

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

Flammability Data:

Flash point: 370° to 445°F, 187° to 229°C

Auto ignition temperature: 1022°F (550°C)

Flammable: No

Pyrophoric: No

* Possible breakdown to toxic gases, primarily carbon monoxide

Flammable limits at normal atmospheric temperature and pressure lower 7.4 upper 15.5

NFPA Ratings: Not established

HMIS Ratings:

Health: 1

Flammability: 0

Reactivity: 0

Extinguishing Media: Carbon dioxide, dry chemical, water spray

Fire Fighting Techniques and Comments: Not applicable

SECTION 5 REACTIVITY DATA

Conditions under which this product may be unstable:

Temperatures above: No data

Mechanical shock or impact: No

Electrical (static) discharge: No
Hazardous Polymerization: Will not occur
Incompatible materials: Strong oxidizers
Hazardous decomposition products: Carbon monoxide, Carbon dioxide
Other conditions to avoid: Heating in air can cause aldehyde formation.

Summary of Reactivity:

Oxidizer: No
Pyrophoric: No
Organic Peroxide: No
Water Reactive: No

SECTION 6 HEALTH HAZARD ASSESSMENT

Routes of absorption:

Inhalation, oral ingestion.

Warning statements and warning properties:

May be harmful if swallowed.

Human threshold response data:

Odor threshold: There is no data for odor threshold
Irritation threshold: There is no data for irritation threshold.
Immediately dangerous to life or health: The IDLH concentration has not been established for this product.

Inhalation:

Acute: No significant adverse effects to health will occur from inhalation.
Chronic: There are no known or reported effects from chronic exposure.

Skin:

Acute: No significant adverse effects to health will occur from dermal contact.
Chronic: There are no known or reported effects from chronic exposure.

Eyes:

Vapor and liquid are irritating to eyes.

Ingestion:

Acute: Ingestion may cause gastrointestinal discomfort with any or all of the following symptoms: nausea, vomiting, lethargy, or diarrhea.
Chronic: There are no known or reported effects from chronic exposure except for effects similar to those experienced from single exposure.

Medical conditions aggravated by exposure:

There are no medical conditions known to be aggravated by exposure.

First aid procedures:

Skin: Not a skin irritant. Washing any substance off the skin with water is good safety practice.
Eyes: Immediately flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If eye irritation develops, call a physician.
Ingestion: Immediately drink large quantities of water. Induce vomiting. Call a physician at once. DO NOT give anything by mouth if the person is unconscious or if having convulsions.
Inhalation: If person experiences nausea, headache, or dizziness, person should stop work immediately and move to fresh air until these symptoms disappear. If breathing is difficult, administer oxygen, keep the person warm and at rest. Contact medical personnel. In the event that an individual inhales enough vapor to lose consciousness, person should be moved to fresh air at once and a physician should be called immediately. In all cases, ensure adequate ventilation and provide respiratory protection before the person returns to work.

SECTION 7 SPILL OR LEAK PROCEDURES

For all transportation accidents, call UTC (Urethane Technology Company, Inc.) at 914-561-5500.

Reportable quantity: Not applicable (Per 40 CFR 302.4)

Spill mitigation procedures:

Water release – This material is heavier than water. Create an overflow dike to contain material and divert any additional flow if able. Remove via vacuum system and/or absorption and containerize.

Land spill – Dike spill materials with a compatible absorbent such as sand, clay, or saw dust. Begin absorbing spill materials as soon as possible if recovery is not possible. Containerize as necessary and label.

Personal protection for emergency spill and fire-fighting situations:

No extra protection required beyond that listed in Section 8.
In case of fire, use normal fire fighting equipment.

Disposal method:

If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste of Subpart D.

As a nonhazardous liquid waste, it should be disposed of in accordance with local, state, and federal regulations by incineration.

Care must be taken to prevent environmental contamination from the use of this material. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state, and federal laws and regulations regarding treatment, storage, and disposal for hazardous and nonhazardous wastes.

SECTION 8 SPECIAL PROTECTION INFORMATION

Personal protection for routine use of product:

Respiratory protection: Respiratory protection not normally needed since the volatility and toxicity are low. If vapors, mists, or aerosols are generated, wear a NIOSH/MSHA approved respirator.

Ventilation: Local exhaust ventilation is recommended if vapors, mist or aerosols are generated. Otherwise, use general exhaust ventilation.

Skin protection equipment: Use safety glasses with side shields.

Equipment Specifications (When applicable):

Respirator Type: Not normally required

Glove Type: Impervious

Boot Type: Impervious

Apron Type: Impervious

Protective Suit: Impervious

SECTION 9 PRECAUTIONS FOR SAFE HANDLING AND STORAGE

Do not take internally. Avoid contact with the skin, eyes, and clothing. Upon contact with skin or eyes, wash off with water.

Storage Conditions:

Do not store at temperatures above: 131°F (55°C).

Other: Product will absorb water vapor. Keep a dry air (Dew Point - 40°F) or nitrogen atmosphere on storage vessel at all times.

Product stability and compatibility:

Shelf life limitations: Minimum 6 months (Closed containers)

Incompatible materials for packaging: Use steel or vinyl lined containers (see below).

Incompatible materials for storage or transport: Recommend steel or lined steel (Amercoat #23 vinyl coating, 5 coat systems).

SECTION 9 TOXICOLOGY DATA

Interactions with other chemicals which enhance toxicity:

There are no chemicals known to enhance the toxicity of the product.

Animal toxicology -

Acute toxicity:

Inhalation LC 50: Greater than a nominal concentration of 200 mg/l for 1 hour (rat)

Dermal LD 50: Greater than 2 g/kg (rabbit)

Oral LD 50: Approximately 4g/kg (rat)

Irritation: Not a skin or eye irritant.

Chronic target organ toxicity: There are no known or reported effects from repeated exposure.

Reproductive and Developmental Toxicity: There are no known or reported effects on reproductive function or fetal development.

Carcinogenicity: This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, or EPA.

Mutagenicity: This product is not known or reported to be mutagenic.

Aquatic Toxicity: None known or reported.

SECTION 11 REGULATORY INFORMATION

Superfund Amendments and Reauthorization Act Title III:

Hazard Categories, PER 40 CFR 370.2:

Health: None

Physical: None

Emergency Planning and Community Right to Know, PER 40 CFR 355, APP.A:

Extremely Hazardous Substance – Threshold Planning Quantity: None Established

Supplier Notification Requirements, PER 40 CFR 372.45: None Established

Prepared by: Urethane Technology Company Telephone: (914) 561-5500

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