MATERIAL SAFETY DATA SHEET

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For Chemical Emergency:
Domestic North America – Call Chemtrec 800-424-9300
International, Call 703-527-3887

1. PRODUCT IDENTIFICATION

PRODUCT NAME: Hi-Tech Spall TX3 "B"
CHEMICAL FAMILY: Polyether Polyol Blend

2. HAZARD IDENTIFICATION

HMIS RATINGS:

HEALTH	1	***FLAMMABILITY***	1	***REACTIVITY***	0

(0=Minimal; 1=Slight; 2=Moderate; 3=Serious; 4=Severe)

ACUTE HEALTH HAZARDS:

This product is considered to be low in volatility at room temperature and therefore not likely to present an inhalation exposure hazard under normal working conditions using good industrial hygiene practices. Direct eye contact may cause minor irritation but no corneal injury, if symptoms occur they may include tearing and slight reddening of the eye. This product under normal working conditions is expected to be non-irritating to the skin and only very slightly toxic by ingestion.

CHRONIC HEALTH HAZARDS:

No information was found concerning any adverse chronic health effects from overexposure to this product. However, it is reasonable to assume that upon repeated or prolonged contact, slight skin irritation may be possible.

CARCINOGENICITY:

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS NUMBER	%	OSHA PEL	ACGIH TLV
Polyether polyol Blend		≤80	Not established	Not established
Aliphatic Hydrocarbons	8052-41-3	≤ 11	Not established	Not established

4. FIRST AID MEASURES

EMERGENCY & FIRST AID PROCEDURES:

INHALATION - Remove to fresh air immediately. Seek medical attention if irritation occurs.

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 - Consult a doctor if symptoms persist.

5. FIRE FIGHTING MEASURES

FLASH POINT (Method Used): 141°F / 60°C (PM CC)

FLAMMABLE LIMITS:

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

*EXTINGUISHING MEDIA: C*arbon dioxide, powder, water spray. Use alcohol resistant foam for larger fires.

DO NOT USE FULL WATER JET

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. Material supports combustion. During a fire, irritating and toxic gases such as carbon monoxide may be generated by thermal decomposition or combustion. Do not spray fire directly. A solid stream of water directed into the hot burning liquid could cause frothing.

6. ACCIDENTAL RELEASE MEASURES

- 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). Especially prevent skin and eye contact.
- Prevent spilled material from entering soil, sewers, surface water, ground water, streams, or any other bodies of water.
- Retain any contaminated water for removal and treatment.
- 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.
- Report spill per regulatory requirements.

7. HANDLING & STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING: Containers should be tightly closed to prevent contamination with foreign materials and moisture. Material is not considered hazardous under normal handling operations, but reasonable care should be exercised. Avoid skin and eye contact. Avoid breathing vapors if generated. If contamination with isocyanates is suspected, do not reseal containers. Employee education and training in safe handling of this product are required under the OSHA Communication Standard.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Good general ventilation. Ventilation should be matched to conditions. Use local exhaust to control vapors/mist.

RESPIRATORY PROTECTION: If a respirator becomes necessary, the specific respirator selected must be based on contamination levels found in the work place and must not exceed the working limits of the respirator. An air purifying respirator equipped with full-face organic vapor cartridge can be used if vapors are detected or are irritating.

SKIN PROTECTION: Permeation resistant gloves are recommended. Barrier creams may be used but their use should be kept to a minimum.

EYE PROTECTION: Chemical safety goggles or safety glasses should be worn. When handling or working with this product it is recommended that contact lenses not be used.

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.

9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE (physical form, color, texture, etc.)	Tan liquid
ODOR:	Characteristic
MELTING POINT:	Not Established
BOILING POINT:	Not Established
VAPOR PRESSURE (mm Hg):	Not Established
SPECIFIC GRAVITY (H_2O = 1):	Not Established

10. STABILITY & REACTIVITY

STABILITY: This is a stable material.

CONDITIONS TO AVOID (if unstable):

INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing materials, Strong acids, and strong bases.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon monoxide

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (if polymerization may occur):

ADDITIONAL INFORMATION: This product is hygroscopic.

11. TOXICOLOGICAL INFORMATION

Polyether polyol
LD50 Rat –oral- >4000 mg/kg
LD50 rabbit-dermal >10,000 mg/kg
LC50 rat-inhalation >200mg/l, 4hrs

12. ECOLOGICAL INFORMATION

Avoid contamination of ground water or waterways.

13. DISPOSAL CONSIDERATIONS

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

EMPTY CONTAINER PRECAUTIONS: Empty containers retain product residue (liquid and/or vapor) and can be hazardous. 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 applicable federal, state, and local regulations.

14. TRANSPORTATION INFORMATION

Land transport (DOT):	Not regulated
Sea transport (IMDG):	Not-regulated
Air transport (ICAO/ IATA):	Not-regulated

Other shipping information

Land transport; When material is shipped in individual containers ≤119 gallons material ships Not regulated.

Air Transport; (passenger plane/ rail car) When material is shipped in individual containers ≤ 15 gallons material ships Not regulated

Air Transport; (cargo plane) When material is shipped in individual containers ≤ 58 gal material ships Not regulated

15. REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STATUS: This product is 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. (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:

chronic health hazard.

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

None.

16. OTHER INFORMATION

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

PREPARED BY: Technical Service

ACGIH=American Conference of Governmental Industrial Hygienists.
TLV=Threshhold Limit Value.
OSHA=Occupational Safety and Health Administration.
NIOSH=National Institute for Occupational Safety and Health.
TWA=8-hour Time Weighted Average.
STEL=Short Term Exposure Limit.
NE=None Established.
F=Farenheit.
C=Celcius or Centigrade.
PMCC=Pensky Martins Closed Cup.
TCC=Tag Closed Cup.
TOC=Tag Open Cup.
PPM=parts per million.
MG/M3=Milligrams per cubic meter.
LB/GL=pounds per gallon.
N/A=Not Applicable.
NF=Not Found.
NL=None Listed.
HMIS=Hazardous Materials Identification System provided by the American Coatings Association (ACA). Hazards are identified by H=Health, *=chronic, F=Fire, R=Reactivity, P=personal protection needed. Ratings are 1-4 with the higher the number the greater the hazard. For complete description please contact the ACA.