

# Material Safety Data Sheet

Thermoseal 500B

SprayFoamPolymers, llc.  
PO Box 1182  
New Canaan, CT. 06840  
Phone/Fax -800.853.1577

**IN CASE OF EMERGENCY CALL: CHEMTREC 1-800-424-9300**  
**CONTACT ONLY IN THE EVENT OF CHEMICAL EMERGENCIES INVOLVING**  
**A SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT INVOLVING CHEMICALS.**

**Product Name: Thermoseal 500B**

Effective Date: 04/9/04 RSM

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.500). In addition, other substances not Hazardous per this OSHA Standard may be listed. Where Proprietary Ingredients shows, the identity may be made available as provided in this standard.

		CAS	%
<b>1. INGREDIENTS</b>	Aliphatic Polyol Blend	Proprietary	35-50
	Fire Retardant Blend	Proprietary	10-30
	Water	7732-18-5	4-10
	Tertiary Amine Blend	Proprietary	2-8

## 2. PHYSICAL AND CHEMICAL DATA:

**BOILING POINT:** 212 ° F

**VAP PRESSURE:** <0.01mm Hg at 20°C (68°F)

**VAP DENSITY:** 1.0

**SOL. IN WATER:** soluble.

**SP. GRAVITY:** (Water =1) 1.20

**APPEARANCE:** Clear liquid

**ODOR:** Faint Amine odor

**PH:** Neutral

## 3. FIRE AND EXPLOSION HAZARD DATA:

**FLASH POINT:** >400° F **METHOD USED:** PMCC

### FLAMMABLE LIMITS

**LFL:** No Data Available

**UFL:** No Data Available

**AUTOIGNITION TEMPERATURE:** 500° F

**EXTINGUISHING MEDIA:** Water, fog, alcohol foam, CO<sup>2</sup>, dry chemical.

**FIRE & EXPLOSION HAZARDS:** Use full protective clothing (see section 9)..

**FIRE FIGHTING EQUIPMENT:** Use a positive pressure, self-contained breathing apparatus. Wear butyl rubber boots, gloves and body suit.

#### 4. REACTIVITY DATA:

**STABILITY:** Can react strongly with isocyanates.

**MATERIALS TO AVOID:** isocyanates.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None

**HAZARDOUS POLYMERIZATION:** Will not occur.

#### 5. ENVIRONMENTAL AND DISPOSAL INFORMATION:

**ACTION TO TAKE FOR SPILLS/LEAKS:** (Removal of ignition sources, diking, etc). Stop the leak, if possible. Ventilate the space involved. Reduce vapor spreading with a water spray. Shut off or remove all ignition sources. Construct a dike to prevent spreading (includes molten liquids until they freeze). Protect workers with water spray.

**CLEAN-UP PROCEDURES:** If recovery is not feasible, admix with dry soil, sand or non-reactive absorbent and place in an appropriate chemical waste container. Transfer to containers by suction, preparatory for later disposal. Place in metal containers for recovery or disposal. Flush area with water spray. Clean-up personnel must be equipped with self-contained breathing apparatus and butyl rubber protective clothing. For large spills, recover spilled material with a vacuum truck.

**DISPOSAL METHOD:** Comply with all Federal, State and local regulations.

#### 6. HEALTH HAZARD DATA: POTENTIAL HEALTH EFFECTS:

**Routes of Exposure:** Eye contact, Inhalation, Skin contact, Ingestion.

**EYE:** Irritating to eyes.

**SKIN CONTACT:** May cause skin sensitization.

**INGESTION:** Unlikely to be harmful if swallowed.

**INHALATION:** Very mild respiratory tract irritant, May cause respiratory sensitization.

#### 7. FIRST AID:

##### **PROLONGED OBSERVATION MAY BE INDICATED.**

**EYES:** For eye contact, flush eyes for at least 20-30 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Flush for an additional 20-30 minutes. Seek medical attention if discomfort persists.

**SKIN:** For skin contact, under a safety shower, remove contaminated clothing and shoes. Wash affected areas thoroughly with large amounts of water, and soap if available, for at least 15 minutes. Get medical attention. Decontaminate clothing and shoes before re-use.

**INGESTION:** Ingestion unlikely. However, if ingested. Administer 3 – 4 glasses of milk or water. Do not induce vomiting. Seek medical advice.

**INHALATION:** If inhaled, remove from area to fresh air. If not breathing, give artificial respiration. Get medical attention. Prevent aspiration of vomit. Turn victim's head to the side. If breathing is difficult, transport to medical care and, if available, give supplemental oxygen.

#### 8. HANDLING PRECAUTIONS:

**VENTILATION:** Good general mechanical ventilation is recommended.

**RESPIRATORY PROTECTION:** Use only supplied air respirator, recommended or approved by appropriate local, state or international agency, operated in a positive pressure mode.

**SKIN PROTECTION:** Use chemical resistant gloves appropriate to conditions of use. Impervious protective suit with integral or tight-fitting gloves, boots, and full head and face protection must be worn. Compatible materials for response to this product are neoprene, Viton™, Saranex and butyl rubber. The equipment must be cleaned thoroughly after each use.

**EYE PROTECTION:** Eye protection, including both chemical splash goggles and face shield must be worn when possibility exists for eye contact due to splashing/spraying liquid, airborne particles, or vapor. Both chemical splash goggles and face shield must be worn.

#### 9. ADDITIONAL INFORMATION:

**HANDLING:** Handle with care. Use special care when handling/transporting samples. Handle empty containers with care – residue may be combustible. For industrial use only. Keep container tightly closed when not in use. When cleaning or repairing equipment contaminated with this material, total encapsulating impervious protective

suits, gloves, and boots should be worn to prevent any contact. Material sampling procedures should avoid vapor inhalation and skin/eye contact and only be conducted with proper protective equipment. A positive pressure self-contained breathing apparatus and/or supplied air respirator should be used.

**STORAGE:** All containers should be labeled to warn against exposure. Store in tightly closed/properly vented containers with vents directed to locations removed from potential personnel exposure. Store away from ignition sources.

**10. NFPA HAZARD RATING:**

4 = EXTREME	HEALTH	2
3 = HIGH	FIRE	0
2 = MODERATE	REACTIVITY	0
1 = SLIGHT	SPECIFIC	-
0 = INSIGNIFICANT	PROTECTIVE EQUIPMENT	X

**11. REGULATORY INFORMATION:**

**STATUS ON SUBSTANCE LISTS:**

The concentrations shown in this document are maximum or ceiling levels (expressed in weight %, unless otherwise specified) to be used for regulations. Trade Secrets are indicated by "TS".

**FEDERAL EPA:**

**COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, and LIABILITY ACT of 1980 (CERCLA):**

Requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQ's) in **40 CFR 302.4**. Components present in this product at level which could require reporting under the statute are:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>RQ</u>
<i>None</i>		

**SUPERFUND AMENDMENTS and REAUTHORIZATION ACT of 1986 (SARA) TITLE III:**

**Section 302** require emergency planning based on **Threshold Planning Quantities (TPQs)** and release reporting based on **Reportable Quantities (RQs) in 40 CFR 355**. Components present in this product at a level which could require reporting under this statute are:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>% By Weight</u>
<i>None</i>		

**Sections 311-312** require products be reviewed and applicable EPA Hazard Definitions be identified and made known.

**EPA HAZARD CLASSIFICATIONS:**

<u>Acute Hazard</u>	<u>Chronic Hazard</u>	<u>Fire Hazard</u>	<u>Pressure Hazard</u>	<u>Reactive Hazard</u>
<i>Yes</i>	<i>yes</i>	<i>no</i>	<i>no</i>	<i>Hazard</i>

**Section 313** requires submission of annual reports of release of toxic chemicals that appear in **40 CFR 372 (for SARA 313)**. This information must be included in all MSDS's that are copied and distributed for this material. Components present in this product at the level which could require reporting under the statute are:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>% By Weight</u>
<i>None</i>		

**NOTE:** If you are unsure if you must report more information, call the EPA Emergency Planning and Right-To-Know Hot Line: 800-535-0202 or 202-479-2449

TOXIC SUBSTANCES CONTROL ACT (TSCA):

The components of this product are contained on the chemical substance inventory list.

OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA):

This Material Safety Data Sheet (MSDS) has been prepared in compliance with the Federal OSHA Hazard Communication Standard 29 CFR 1910.500 hazard class(es). Corrosive. Sensitizer. Combustible. Resource Conservation and Recovery Act (RCRA): D 001 Ignitable.

**OTHER REGULATORY INFORMATION:**

**D.O.T. Shipping Name: NOT REGULATED**

The information herein is given in good faith, but no warranty expressed or implied is made. SprayFoamPolymers.com, llc urges suppliers and users of this product to evaluate its suitability and compliance with local regulations as SprayFoamPolymers, llc cannot foresee the nature of the final application or the location of usage.

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