



**DEMILEC** (USA) LLC.  
POLYURETHANE SYSTEMS MANUFACTURER

## MATERIAL SAFETY DATA SHEET

**SEALECTION<sup>®</sup> 500**

**B-side**

### SECTION 1: PRODUCT & COMPANY INFORMATION

**MANUFACTURER OF CHEMICAL COMPONENTS**

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**PRODUCT**

**Trade Name:** SEALECTION<sup>®</sup> 500 B-side  
**Chemical Name:** Resin Blend B-side

**T.D.G. Classification:**

Non-Regulated

**WHMIS CLASSIFICATION**

Non-Controlled

### SECTION 2: INGREDIENTS

INGREDIENTS	%	# CAS
Polyether Polyol	20 – 40	Trade Secret
Flame Retardant	15 – 40	Trade Secret
Tertiary Amine Catalyst	1 – 5	Trade Secret
Surfactant	0 – 1	Trade Secret
Water	1 – 30	7732-18-5

### SECTION 3: PHYSICAL PROPERTIES

<b>Appearance</b>	Pale yellow to amber liquid
<b>Color</b>	Faint odor
<b>Viscosity @25°C, cps</b>	150 - 300
<b>Specific Gravity @25°C</b>	1.08-1.12
<b>Boiling Point</b>	N/A
<b>Vapor Pressure</b>	Negligible
<b>Vapor Density (Air=1)</b>	N/A
<b>Solubility in Water</b>	Soluble
<b>% Volatility Volume</b>	N/A

\*N/A-Not Available

## SECTION 4: FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point</b>	260°C (500°F) P-M Closed Cup
<b>Auto-Ignition Temperature</b>	Not Established
<b>Extinguishing Media</b>	Water; Carbon Dioxide; Dry Chemical; Foam
<b>Fire-Fighting Equipment:</b>	Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by fire fighters. Use cold water spray to cool fire-exposed containers to minimize risk of rupture. Material supports combustion. During a fire, thermal decomposition or combustion may generate irritating and toxic gases such as CO, CO <sub>2</sub> , N-oxides, traces of ammonia vapors and some aldehydes and ketones.

## SECTION 5: STABILITY AND REACTIVITY

<b>Stability:</b>	This product is considered stable under normal and anticipated storage and handling conditions (59-86°F) (15-30°C). Avoid unintended contact with isocyanates. Avoid exposure to moisture and high temperatures to protect product quality.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Incompatibilities:</b>	Strong oxidizing materials, strong acids and alkali or alkaline earth metals (aluminum, zinc, beryllium and copper). This material reacts with isocyanate to form foam.
<b>Decomposition Temperature:</b>	Not Established
<b>Hazardous Decomposition Products:</b>	By fire - Carbon dioxide, Carbon monoxide, and Oxides of Nitrogen.

## SECTION 6: HEALTH HAZARD DATA

<b>ROUTE (S) OF ENTRY:</b>	Eye Contact, Skin Contact, Inhalation, Ingestion.
<b>Eye Contact:</b>	No effects of exposure expected with the expectation of irritation.
<b>Skin Contact</b>	No effects of exposure expected due to contact.
<b>Ingestion:</b>	May cause nausea, abdominal pains, vomiting and diarrhea.
<b>Inhalation:</b>	Not available.
<b>Carcinogenity:</b>	The components of this product are not listed by NTP, IARC or regulated as a carcinogen by OSHA.

## SECTION 7: PERSONAL PROTECTION

<b>Eye Protection Requirements:</b>	Use chemical goggles and face shields or full-faced air-supplied respirator. Persons who work with this product should not wear contact lenses.
<b>Skin Protection Requirements:</b>	Use protective clothing impervious to chemicals; chemical-resistant gloves (butyl, neoprene or nitrile rubber), long-sleeves coveralls and boots.
<b>Ventilation Requirements:</b>	Local exhaust should be used to maintain a fresh supply of air.
<b>Open-air well ventilated foam spraying area:</b>	Use air-purifying respirator and eye protection goggles, chemical resistant gloves and long-sleeved coveralls. Be sure to establish a safety zone to keep out nonessential personnel. Take care to protect people, cars, etc., against airborne overspray.
<b>Spraying foam in enclosed areas:</b>	Use full-face air-supplied respirator, chemical resistant gloves, eye protection and Saranex or polyethylene coated Tyvek coveralls. Take care that others do

not enter the area until residual MDI and amine vapor have been vented away.

**On-line foam processing:**

Permanent ventilation equipment is necessary for on-line processing. Efficiency of this equipment must be checked regularly, especially in foaming operations where fans, duct and filters can become blocked with over-processed foam. Relevant operators must use air-purifying respirator, chemical protective goggles and face shields, chemical-resistant gloves and long sleeved coveralls.

**Respirator Requirements:** An air-supplied respirator should be worn during applications and when the product is being heated or in environments of high concentrations well above TLV.

**Additional Protective Measures:** Safety showers and eye wash stations should be easily accessible to the work area.

**SECTION 8: FIRST AID MEASURES**

**First Aid for Eyes:** Flush with large amounts of running water for at least 15 minutes, holding eyelids open. Obtain medical attention

**First Aid for Skin:** Remove all contaminated clothing and shoes. Wash skin thoroughly with soap and cold water for at least 15 minutes. Do not use hot water. Thoroughly clean clothing and shoes before reuse. If irritation should develop or persist consult a physician.

**First Aid for Inhalation:** Remove patient to fresh air if vapors are inhaled and/or breathing becomes difficult. Administer artificial respiration (e.g. mouth-to-mouth) as needed. Obtain medical attention.

**First aid for Ingestion:** If conscious, give 250 ml of milk or water to drink, and induce vomiting. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Obtain medical attention.

**SECTION 9: HANDLING AND STORAGE**

**Storage Temperature (min/max):** 59-86°F (15-30°C)

**Shelf Life:** 6 months

**Handling and Storage Precautions:**

Store in tightly closed containers in a cool, dry and ventilated place. Store away from ignition sources. Protect containers against physical damage. Avoid breathing vapors and contact with eyes or skin. Smoking in area is prohibited.

**SECTION 10: ACCIDENTAL RELEASE MEASURES**

**Spill or Leak Procedures:** If material is released or spilled, dam up to prevent spreading and contamination of surface waters, ground waters and drinking supplies. Spread sawdust absorbent over the spill area to absorb as much of the remaining product as possible, and then shovel into suitable metal containers for waste disposal. The spill area should then be washed down with soap and warm water to dilute and remove remaining traces of material. Ventilate area to remove the remaining vapors.

## SECTION 11: DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Waste must be disposed of in compliance with federal, state or local environmental control regulations. If incinerated, toxic and corrosive combustion gases must be properly handled.

**Empty Container Precautions:** Empty containers retain product residue (liquid and/or vapor) and can be dangerous. 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 governmental regulations.

*The DEMILEC (USA), LLC. has no control over the management practices or manufacturing processes of parties handling or using this material. The information presented here pertains only to the product as shipped in its original condition as described in MSDS Section 2 (Ingredients).*

## SECTION 12: TRANSPORTATION INFORMATION

**Technical Shipping Name:** Resin Solution, SEALECTION® 500  
**T.D.G. Classification:** Non-Regulated

## SECTION 13: TOXICOLOGICAL INFORMATION

NO TOXICOLOGICAL INFORMATION AVAILABLE

## SECTION 14: ECOLOGICAL INFORMATION

NO ECOLOGICAL INFORMATION AVAILABLE

## SECTION 15: APPROVALS

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