

**SeamTek BIO/CR B**

SAFETY DATA SHEET  
Effective Date 5/14/14

**SECTION 1 Product and Company Information**

**PRODUCT NAME:** SeamTek<sup>®</sup> BIO/CR B Chemtrec  
**GENERIC NAME:** Aspartic Ester 24 Hour Emergency Number 1-800-424-9300  
Information Number: 1-920-803-1700  
LSP Performance Resins Manufacturer Andara LLC  
124 Speer Road 3687 Enterprise Drive  
Chestertown, MD 21620 Sheboygan, WI 53083  
Comments: To the best of our knowledge, this Material Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/ECC and Canadian Hazardous Products Act

**SECTION 2 Hazards Identification**

**EMERGENCY OVERVIEW**

**OSHA HAZARDOUS** **Skin, Eye, and Respiratory Irritant, Skin Sensitizer**  
Target Organs: Respiratory Tract, Eyes, Skin, Digestive Tract

**GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS**

Health		Environmental	Physical
Eye Irritation	Category 2A	Acute Aquatic Hazard Category 3	Not Classified
Skin Sensitization	Category 1		
Acute Toxicity	Category 5		
Skin Irritant	Category 2		
STOT (Respiratory)	Category 3		

**Signal Word** **Warning**



Pictogram:

**Hazard Statements**

**Precautionary Statements**

H315 May be harmful if swallowed	P261 Avoid breathing dust/fume/gas/mist/vapors/ spray.
H315 Causes skin irritation	P264 Wash thoroughly after handling.
H317 May cause an allergic skin reaction	P280 Wear protective gloves/eye protection/face protection.
H319 Causes serious eye irritation	P302+P352 IF ON SKIN: Wash with plenty of soap and water.
H335 May Cause respiratory irritation	P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
H402 Harmful to aquatic life	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P312 Call a POISON CENTER or doctor/physician if you feel unwell.
	P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
	P363 Wash contaminated clothing before reuse.
	P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
	P501 Dispose of containers in accordance with local/regional/national/international requirements.

### SECTION 3 Composition / Information on Ingredients

Ingredient(s)	CAS Number	% (by weight)
Aspartic Ester(s)	Proprietary	50 - 70 %
Aliphatic Carboxylic Ester	623-91-6	1 - 5%
Titanium Dioxide	13463-67-7	1 - 50%

### SECTION 4 First Aid Measures

**Eyes Contact:** Immediately flush eyes gently with large amounts of water for at least 20-30 minutes. Retract eyelids often. Get prompt medical attention. Symptoms of exposure may include pain or burning sensation, redness, swelling, tearing/discharge or blurred vision.

**Skin Contact:** Thoroughly wash the exposed area with mild soap and water. Remove contaminated clothing and launder contaminated clothing before re-use. Seek medical attention if exposure symptoms develop.

Symptoms may include irritation with reddening and itching. Repeated exposure may cause allergic skin reaction and sensitization of susceptible persons.

**Ingestion:** If large quantity is swallowed, give lukewarm water (2 cups) if victim is completely conscious/alert. Do not induce vomiting as risk of damage to lungs exceeds poisoning risk. Obtain emergency medical attention.

**Inhalation:** Inhalation is unlikely due to low vapor pressure. If misted or handled at elevated temperatures, high concentrations may cause respiratory tract irritation. If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.

**Advise to physicians:** If exposed, treat skin and eye burns or irritation conventionally after decontamination. This material or its emissions may induce an allergic or sensitization reaction and thereby aggravate systemic disease.

### SECTION 5 Fire Fighting Measures

#### Conditions of Flammability

**At higher temperatures vapors can cause pressure build up in sealed containers. Use water to cool containers exposed to fire.**

#### Suitable extinguishing media

**Dry Chemical, CO2, Foam, Water spray/water fog for cooling.**

#### Hazardous Decomposition Products

**Fire and thermal decomposition can produce carbon oxides, nitrogen oxides (NOx) amines and other aliphatic fragments which have not been determined. Ammonia may be liberated at high temperatures.**

#### Fire Fighting Instructions

**Do not enter fire area without proper protection. Wear self contained breathing apparatus (pressure-demand MSHA/NIOSH) approved or equivalent. See Section 10 - decomposition products possible. Fight fire from safe distance/protected location. Heat/impurities may increase temperature/build pressure/rupture closed containers, spreading fire, increasing risk of burns/injuries. Use water spray/fog for cooling. Notify authorities if liquid enters sewer/public waters.**

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## SECTION 6 Accidental Release Measures

### Personal Precautions

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

### Environmental Precautions

Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers. Notify authorities of any releases to sewers, soils, waterways or air.

### Methods and Materials for Containment and Cleaning Up

Extinguish all ignition sources and ventilate area. Wear protective equipment during clean up. Cover spills and soak up small spill with inert solids (such as vermiculite, clay) and sweep/shovel into vented disposal container. Wash spill area with a strong detergent and water solution; rinse with water but minimize water use during clean up. For spills on water, contain, minimize dispersion and collect. Dispose/report per regulatory requirements. Evacuate and keep unnecessary people out of the spill area. See Section 1 for emergency contact information and Section 13 for waste disposal.

## SECTION 7 Handling and Storage

### Precautions for Safe Handling

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

### Conditions for Safe Storage

Keep container closed when not in use. Store in a dry place away from excessive heat. The material can be stored safely at ambient temperatures. Minimum storage temperature 32 F (0 C) Maximum storage temperature 104 F (40 C). Material is hygroscopic and may absorb small amounts of atmospheric moisture.

## SECTION 8 Exposure Controls / Personal Protection

### EXPOSURE LIMITS

HAZARDOUS COMPONENT	PEL	STEL	TLV	OTHER
ASPARTIC ESTER (s)	NE	NE	NE	NE
ALIPHATIC CARBOXYLIC ESTER	NE	NE	NE	NE
PROPYLENE CARBONATE	NE	NE	NE	NE
ALDIMINE	NE	NE	NE	NE

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### Engineering Controls

Use local exhaust ventilation to maintain airborne concentrations below exposure limits. Respiratory protection may be required in addition to general room ventilation.

### Respiratory Protections

No respiratory protection is recommended for working with this material. However if conditions such as in a spray application create a high vapor or mist concentration, use of a NIOSH/MSHA organic vapor/particulate approved respirator or supplied air is recommended.

### Eye Protection

Eye protection such as chemical splash goggles and/or face shield must be worn when possibility exists for eye contact due to splashing or spraying liquid, airborne particles or vapor. Contact lenses should not be worn.

### Skin and Body Protection

When skin contact is possible, protective clothing including gloves, apron, sleeves, boots, head and face protection should be worn. Gloves should be impervious neoprene, rubber or latex. Clean equipment thoroughly after each use.

### Other hygienic practices

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

### Other work practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities. Promptly remove soiled clothing and wash thoroughly before reuse. Shower after work using plenty of soap and water.

## SECTION 9 Physical and Chemical Properties

Appearance	
Form	Viscous Liquid
Color	Light Gray
pH	Not available
Melting/Freezing Temperature	< -20 C (<4 F)
Boiling Point	185C/365F @ 1.0133mbar)
Flash Point	> 93.3 C/200 F
Ignition Temperature	Not available
Autoignition Temperature	N/AP
Lower explosive limit; na	Upper explosive limit: na
Vapor Pressure	0.000014 mm Hg
Vapor Density (air=1)	>1
Specific Gravity (water=1 @39.2F)	AP 1.22 at 25 C/77F
Evaporation Rate (Bac=1)	None
Odor	Mild amine odor
Odor threshold	Not available
VOC	0g/L

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**SECTION 10 Stability and Reactivity**

<p><b>Chemical Stability</b> Stable under recommended storage conditions.</p> <p><b>Possibility of Hazardous Reactions</b> Hazardous polymerization does not occur.</p> <p><b>Conditions to Avoid</b> Avoid extreme heat.</p>	<p><b>Materials to Avoid</b> Avoid contact with oxidizing agents.</p> <p><b>Hazardous Decomposition Products</b> Fire and thermal decomposition can produce carbon oxides, nitrogen oxides (NOx) amines and other aliphatic fragments which have not been determined. Ammonia may be liberated at high temperatures.</p>
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**SECTION 11 Toxicological Information**

<b>Toxicity Data Based on DESMOPHEN NH 1520</b>			
<b>Acute Toxicity</b>			
Oral LD50	Rat	> 200 mg/kg	
Dermal LD50	Rat	> 2,000 mg/kg	
Inhalation LC50	Rat	> 4,224 mg/m <sup>3</sup>	
<b>Skin Corrosion/Irritation</b>		<b>Respiratory or Skin Sensitization</b>	
Skin Rabbit Irritant	Moderate skin	Dermal Guinea Pig	Sensitizer
<b>Serious Eye Damage/Eye Irritation</b>		<b>Mutagenicity</b>	
Eye Rabbit	Non-irritating	<b>Genetic Toxicity in Vitro:</b>	
		<b>Ames test: negative (Salmonella typhimurium)</b>	
<b>Toxicity Data Based on Aspartic Ester</b>			
<b>Acute Toxicity</b>			
Oral LD50	Rat	> 2,000 mg/kg	
Dermal LD50	Rat	> 2,000 mg/kg	
Inhalation LC50	Rat	4,224 mg/	
<b>Skin Corrosion/Irritation</b>		<b>Respiratory or Skin Sensitization</b>	
Skin Rabbit Moderate skin Irritant		Dermal Guinea Pig	Sensitizer
<b>Serious Eye Damage/Eye Irritation</b>		<b>Mutagenicity</b>	
Eye Rabbit Non-irritating		<b>Genetic Toxicity in Vitro:</b>	
		Ames: negative (Salmonella typhimurium, Metabolic Activation: with/without	
<b>Toxicity Data Based on Aliphatic Carboxylic Ester</b>			
<b>Acute Toxicity</b>			
Oral LD50	Rat	1,780 mg/kg	

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**Carcinogenicity**

**IARC:** During normal processing, no component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH:** During normal processing, no component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

**NTP:** During normal processing, no component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

**SECTION 12 Ecological Information**

**Aquatic Ecotoxicity** Desmophen NH1520

Toxicity to fish	LC50 Brachydanio rerio (Zebra fish) 66 mg/l – 96 h
Toxicity to aquatic invertebrates	EC50 Daphnia magna (water flea) 88.6 mg/l – 48 h
Toxicity to algae	EC50 Scenedemus subspicatus (Green Algae) 113 mg/l – 72 h
Toxicity to bacteria	EC50 3,000 mg/l

**Biodegradability**

13% Not readily biodegradable. Aerobic exposure time 28 d

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**SECTION 13 Disposal Considerations**

**Waste Disposal**

When a decision is made to discard this material as supplied, it does not meet RCRA’s characteristics definition of ignitability, corrosiveness, or reactivity and is not listed in 40CFR261.33. The toxicity characteristic (TC), has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).

**SECTION 14 Transport Information**

**DOT (US)**

Not regulated by DOT

**IMDG**

Not regulated by IMDG

**IATA**

Not regulated by IATA

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## SECTION 15 Regulatory Information

### TSCA INVENTORY STATUS

All components are listed or exempt

### OSHA HAZARDS

Skin, Eye and Respiratory Irritant, Skin Sensitizer

	HMIS Classification	NFPA Rating
Health Hazard;	2	2
Flammability	1	1
Physical Hazards	0	0

### SARA TITLE III: Section 311/312 Hazard Class

This product does not contain a chemical which is listed in Section 313 at or above the de minimus concentrations.

### SARA TITLE III: Section 313 (40CFR370)

This product does not contain a chemical which is listed in Section 313 at or above the de minimus concentrations.

## SECTION 16 Other Information

Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this SDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. This SDS has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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