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**Section 1 - PRODUCT AND COMPANY IDENTIFICATION**

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**Material Name**

Barricoat-S

**Synonyms**

Modified Water Based Asphalt Emulsion

**Chemical Family**

waterproofing and vapor barrier membrane, spray application

**Product Use**

waterproofing and vapor barrier membrane, below-grade foundation wall assemblies

**Restrictions on Use**

For industrial use only.

**Manufacturer Information**

Carlisle Coatings and Waterproofing Incorporated  
900 Hensley Lane  
Wylie, TX 75098  
www.carlisle-ccw.com

**Phone Numbers:**

Medical Emergency  
CHEMTREC (USA): 800-424-9300

MSDS Assistance; 972-442-6545  
Technical Assistance: 888-229-2199  
Customer Service: 888-229-0199

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**Section 2 - HAZARDS IDENTIFICATION**

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**Classification in accordance with paragraph (d) of 29 CFR 1910.1200.**

None needed according to classification criteria

**GHS Label Elements****Symbol(s)**

None needed according to classification criteria

**Signal Word**

None needed according to classification criteria

**Hazard Statement(s)**

None needed according to classification criteria

**Precautionary Statement(s)****Prevention**

None needed according to classification criteria

**Response**

None needed according to classification criteria

**Storage**

None needed according to classification criteria

**Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations

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**Other Hazards**

No additional information available.

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### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

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CAS	Component Name	Percent
Mixture	Asphalt emulsion	40-70
Mixture	Butanol polymer	10-30
Mixture	1,2-Benzisothiazolin-3-one mixture	0.1-1

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### Section 4 - FIRST AID MEASURES

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**Description of Necessary Measures**

Get medical advice/attention if you feel unwell.

**Inhalation**

Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

**Skin**

Wash exposed skin with soap and water. Remove contaminated clothing and wash it before reuse. If skin irritation or rash occurs, seek medical advice/attention. Recommended material: Use protective skin cream before handling the product.

**Eyes**

Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**Ingestion**

Get medical attention immediately. Do NOT induce vomiting.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically and supportively.

**Most Important Symptoms/Effects**

**Acute**

May cause mild skin irritation. May cause mild eye irritation.

**Delayed**

No information on significant adverse effects.

**Note to Physicians**

Contains ASPHALT.

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**Section 5 - FIRE FIGHTING MEASURES**

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**Extinguishing Media**

**Suitable Extinguishing Media**

Use carbon dioxide, regular dry chemical, regular foam or water.

**Unsuitable Extinguishing Media**

None known.

**Special Hazards Arising from the Chemical**

Slight fire hazard. May explode if heated in closed container.

**Hazardous Combustion Products**

Oxides of carbon, hydrocarbons. Fumes may also be irritating.

**Fire Fighting Measures**

Avoid inhalation of material or combustion by-products.

**Special Protective Equipment and Precautions for Firefighters**

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

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**Section 6 - ACCIDENTAL RELEASE MEASURES**

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**Personal Precautions, Protective Equipment and Emergency Procedures**

Wear personal protective clothing and equipment, see Section 8.

**Methods and Materials for Containment and Cleaning Up**

Remove all sources of ignition. Avoid inhalation of material or combustion by-products. Ventilate affected area. Absorb with earth, sand or other non-combustible material and transfer to container. Dispose in accordance with all applicable regulations.

**Environmental Precautions**

Avoid release to the environment.

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**Section 7 - HANDLING AND STORAGE**

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**Precautions for Safe Handling**

Avoid contact with eyes, skin and clothing. Wear protective gloves. KEEP OUT OF REACH OF CHILDREN.

**Conditions for Safe Storage, Including any Incompatibilities**

None needed according to classification criteria

Store in a cool, dry place. When not in use, keep containers tightly closed. Avoid extreme heat and cold.

**Incompatible Materials**

Strong acids, strong oxidizing agents

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Component Exposure Limits**

<b>Asphalt emulsion</b>	Mixture	
ACGIH:	0.5 mg/m <sup>3</sup> TWA as benzene soluble aerosol fume, inhalable fraction	
NIOSH:	5 mg/m <sup>3</sup> Ceiling fume 15 min	
Mexico:	5 mg/m <sup>3</sup> TWA LMPE-PPT	10 mg/m <sup>3</sup> STEL [LMPE-CT]

**Biological limit value**

There are no biological limit values for any of this product's components.

**Engineering Controls**

Provide adequate ventilation. Ensure compliance with applicable exposure limits.

**Individual Protection Measures, such as Personal Protective Equipment**
**Eye/face protection**

Wear chemical safety goggles.

**Skin Protection**

Wear appropriate work clothing. Recommended material: protective skin cream.

**Respiratory Protection**

A NIOSH approved respirator with a dust, mist, and fume filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits or when symptoms have been observed that are indicative of overexposure.

**Glove Recommendations**

Wear protective gloves: rubber.

**Protective Materials**

Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	brown-black liquid	<b>Physical State</b>	liquid
<b>Odor</b>	ASPHALT	<b>Color</b>	brown-black
<b>Odor Threshold</b>	Not available	<b>pH</b>	10 - 11
<b>Melting Point</b>	Not available	<b>Boiling Point</b>	212 °F
<b>Freezing point</b>	Not available	<b>Evaporation Rate</b>	30 - 45 % volatile
<b>Boiling Point Range</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition</b>	Not available	<b>Flash Point</b>	Not available

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<b>Lower Explosive Limit</b>	Not available	<b>Decomposition</b>	Not available
<b>Upper Explosive Limit</b>	Not available	<b>Vapor Pressure</b>	<1 mmHg
<b>Vapor Density (air=1)</b>	>1	<b>Specific Gravity (water=1)</b>	Not available
<b>Water Solubility</b>	Soluble	<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Viscosity</b>	Not available	<b>Solubility (Other)</b>	Not available
<b>Density</b>	1.031 (relative)	<b>VOC</b>	<20 g/L (less water)

### Other Information

No additional information available.

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## Section 10 - STABILITY AND REACTIVITY

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### Reactivity

No reactivity hazard is expected.

### Chemical Stability

Stable under normal conditions of use.

### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### Conditions to Avoid

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

### Incompatible Materials

Strong acids, strong oxidizing agents

### Hazardous decomposition products

Oxides of carbon, hydrocarbons. Fumes may cause irritation.

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## Section 11 - TOXICOLOGICAL INFORMATION

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### Information on Likely Routes of Exposure

#### Inhalation

May cause respiratory irritation.

#### Skin Contact

May cause mild skin irritation. Hot asphalt may cause thermal burns.

#### Eye Contact

May cause mild eye irritation.

#### Ingestion

May cause gastrointestinal irritation.

### Acute and Chronic Toxicity

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**Component Analysis - LD50/LC50**

The components of this material have been reviewed in various sources and the following selected endpoints are published:

- Asphalt emulsion (Mixture)
  - Oral LD50 Rat 6135 mg/kg
  - Dermal LD50 Rabbit >2000 mg/kg
- Butanol polymer (Mixture)
  - Oral LD50 Rat >2000 - 10000 mg/kg
  - Dermal LD50 >5000 mg/kg
  - Inhalation LC50 >5 mg/L mist 4 hr
- 1,2-Benzisothiazolin-3-one mixture (Mixture)
  - Oral LD50 Rat 2342 mg/kg
  - Dermal LD50 Rabbit >5000 mg/kg
  - Inhalation LC50 Rat 900 mg/m<sup>3</sup> 4 hr
- Carbamic acid mixture (Mixture)
  - Oral LD50 Rat >2000 mg/kg
  - Dermal LD50 Rabbit >2000 mg/kg
  - Inhalation LC50 Rat >2.04 mg/L 4 hr

**Immediate Effects**

May cause respiratory tract irritation, skin irritation, and eye irritation.

**Delayed Effects**

No information on significant adverse effects.

**Irritation/Corrosivity Data**

May cause respiratory tract irritation, skin irritation, and eye irritation.

**Respiratory Sensitization**

No data available.

**Dermal Sensitization**

No data available.

**Component Carcinogenicity**

<b>Asphalt emulsion</b>	Mixture
ACGIH:	A4 - Not Classifiable as a Human Carcinogen (fume, coal tar-free)
IARC:	Monograph 103 [2013]; Supplement 7 [1987] (extracts of steam-refined and air-refined); Monograph 35 [1985] (Group 2B (possibly carcinogenic to humans))
DFG:	Category 2 (considered to be carcinogenic for man, aerosol and vapor)
OSHA:	Present

**Germ Cell Mutagenicity**

No data available.

**Tumorigenic Data**

No data available

**Reproductive Toxicity**

**Material Name: Barricoat-S**

No data available.

**Specific Target Organ Toxicity - Single Exposure**

No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

No data available.

**Aspiration hazard**

No data available.

**Medical Conditions Aggravated by Exposure**

No data available.

**Additional Data**

No additional information available.

**Section 12 - ECOLOGICAL INFORMATION**

**Ecotoxicity**

Avoid release to the environment.

**Component Analysis - Aquatic Toxicity**

<b>Asphalt emulsion</b>	Mixture
Fish:	LC50 96 hr Fish 1797 mg/L
<b>Butanol polymer</b>	Mixture
Fish:	LC50 96 hr Brachydanio rerio >100 mg/L [static]
Invertebrate:	EC50 48 hr Daphnia magna >100 mg/L [static]
<b>1,2-Benzisothiazolin-3-one mixture</b>	Mixture
Fish:	LC50 96 hr Rainbow trout 21 mg/L [flow-through]
Invertebrate:	EC50 48 hr Daphnia magna 26 mg/L

**Persistence and Degradability**

No information available for the product.

**Bioaccumulative Potential**

No information available for the product.

**Mobility**

No information available for the product.

**Other Toxicity**

No additional information available.

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### Section 13 - DISPOSAL CONSIDERATIONS

**Disposal Methods**

Dispose of contents/container in accordance with local/regional/national/international regulations.

### Section 14 - TRANSPORT INFORMATION

**US DOT Information:**

UN/NA #: Not regulated

**IATA Information:**

UN#: Not regulated

**IMDG Information:**

UN#: Not regulated

**TDG Information:**

UN#: Not regulated

### Section 15 - REGULATORY INFORMATION

**U.S. Federal Regulations**

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

Carbamic acid mixture	Mixture
CERCLA:	10 lb final RQ; 4.54 kg final RQ

**SARA Section 311/312 (40 CFR 370 Subparts B and C)**

**Acute Health:** Yes **Chronic Health:** No **Fire:** No **Pressure:** No **Reactivity:** No

**U.S. State Regulations**

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Asphalt emulsion	Mixture	Yes	Yes	Yes	Yes	Yes
Carbamic acid mixture	Mixture	No	No	No	Yes	No

**Not listed under California Proposition 65**

**Canadian WHMIS Ingredient Disclosure List (IDL)**

The components of this product are either not listed on the IDL or are present below the threshold limit listed on the IDL.

**Component Analysis - Inventory**



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Asphalt emulsion (Mixture)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes

1,2-Benzisothiazolin-3-one mixture (Mixture)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Carbamic acid mixture (Mixture)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes

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### Section 16 - OTHER INFORMATION

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#### HMIS Rating

Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

#### NFPA Ratings

Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

#### Summary of Changes

Revision Date: June 1, 2018

Revision Note: General Update

#### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute

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for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

### **Other Information**

#### **Disclaimer:**

The information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, CCWI Company must rely upon the hazard evaluation of such components submitted by that product's manufacturer or importer. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The results to be obtained from the use thereof, or that any such use does not infringe any patent, since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use.