

Material Name: Barritech NP60

Product #: 324829 – 5 gal  
324828 – 50 gal

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**Section 1 - PRODUCT AND COMPANY IDENTIFICATION**

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**Material Name**

Barritech NP60

**Synonyms**

Water-based air barrier membrane

**Chemical Family**

Membrane

**Product Use**

water based non-permeable membrane for air barrier applications

**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.**

Skin Sensitization - Category 1A

Reproductive Toxicity - Category 1B

Specific Target Organ Toxicity - Repeated Exposure - Category 2 ( liver,kidneys )

**GHS Label Elements**

**Symbol(s)**



**Signal Word**

Danger

**Hazard Statement(s)**

May cause allergic skin reaction

May damage fertility or the unborn child

May cause damage to organs through prolonged or repeated exposure

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### Precautionary Statement(s)

#### Prevention

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Wear protective gloves/protective clothing/eye protection/face protection  
Do not breathe dust/fume/gas/mist/vapours/spray  
Contaminated work clothing must not be allowed out of the workplace

#### Response

IF exposed or concerned: Get medical advice/attention  
IF ON SKIN: Wash with plenty of soap and water  
If skin irritation or rash occurs: Get medical advice/attention  
Wash contaminated clothing before reuse  
Specific treatment (see label)

#### Storage

Store locked up

#### Disposal

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

#### Other Hazards

No additional information available.

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### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

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CAS	Component Name	Percent
Trade Secret	De-foaming agent	0.1-1
57-55-6	Propylene glycol	0.1-1
Mixture	Decanedioic acid ester	0.1-1
Mixture	4,4-Dimethyloxazolidine	0.1-1
Mixture	Carbamic acid mixture	0.1-1

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### Section 4 - FIRST AID MEASURES

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#### Description of Necessary Measures

If exposed or concerned: Call a POISON CENTER or doctor/physician.

#### Inhalation

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

### **Skin**

Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs, seek medical advice/attention.

### **Eyes**

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

### **Ingestion**

If swallowed, get medical attention. 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 allergic skin reaction.

#### **Delayed**

May damage fertility or the unborn child. May cause damage to liver and kidneys through prolonged exposure.

### **Note to Physicians**

Contains propylene glycol.

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## **Section 5 - FIRE FIGHTING MEASURES**

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### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Use dry chemical, carbon dioxide, alcohol-resistant foam or water spray.

#### **Unsuitable Extinguishing Media**

None known.

### **Special Hazards Arising from the Chemical**

Sealed containers may rupture or explode if exposed to heat.

### **Hazardous Combustion Products**

Oxides of carbon, oxides of nitrogen, hydrocarbons

### **Fire Fighting Measures**

Move container from fire area if it can be done without risk. 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

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

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace. Wash thoroughly after handling. KEEP OUT OF REACH OF CHILDREN.

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

Store locked up

Store in a cool, dry, well ventilated area of non-combustible construction. Store between 32°F and 90°F. When not in use, keep containers tightly closed. Do not cut, puncture, or weld on or near this container.

#### Incompatible Materials

Strong acids, strong oxidizing agents

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### Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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#### Component Exposure Limits

##### 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 safety glasses or safety goggles, with a faceshield, as appropriate. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

##### Skin Protection

Wear appropriate work clothing.

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**Respiratory Protection**

A NIOSH approved air-purifying respirator with an appropriate cartridge or canister may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**Glove Recommendations**

Wear protective gloves. Recommended material: Hycron(R), neoprene, nitrile.

### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Blue liquid	<b>Physical State</b>	liquid
<b>Odor</b>	Slight, ammonia	<b>Color</b>	Blue
<b>Odor Threshold</b>	Not available	<b>pH</b>	8 - 9
<b>Melting Point</b>	Not available	<b>Boiling Point</b>	100 °C (212 °F)
<b>Freezing point</b>	Not available	<b>Evaporation Rate</b>	50 % 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
<b>Lower Explosive Limit</b>	Not available	<b>Decomposition</b>	Not available
<b>Upper Explosive Limit</b>	Not available	<b>Vapor Pressure</b>	Not available
<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>	>50 Kcps	<b>Solubility (Other)</b>	Not available
<b>Density</b>	1.10 (relative)	<b>VOC</b>	9 g/L

**Other Information**

No additional information available.

### Section 10 - STABILITY AND REACTIVITY

**Reactivity**

No reactivity hazard is expected.

**Chemical Stability**

Stable under normal conditions of use.

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### **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, oxides of nitrogen, hydrocarbons

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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 allergic skin reaction. May cause mild skin irritation.

#### **Eye Contact**

May cause mild eye irritation.

#### **Ingestion**

Methanol can produce blindness with onset of symptoms being delayed for 18-24 hours. Large doses may cause central nervous system stimulation followed by depression.

### **Acute and Chronic Toxicity**

### **Component Analysis - LD50/LC50**

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

Vinyl chloride/ethylene copolymer (Trade Secret)

Oral LD50 Rat >2000 mg/kg

De-foaming agent (Trade Secret)

Oral LD50 >2000 mg/kg

Epoxidized soybean oil (Trade Secret)

Oral LD50 Rat >5000 mg/kg

Dermal LD50 Rabbit >20 mL/kg

Chlorinated paraffins (Trade Secret)

Oral LD50 Rat >4 g/kg

Acrylic polymer mixture (Trade Secret)

Oral LD50 Rat >5000 mg/kg

Dermal LD50 Rabbit >5000 mg/kg

Propylene glycol (57-55-6)

Oral LD50 Rat 20 g/kg

Dermal LD50 Rabbit 20800 mg/kg

Decanedioic acid ester (Mixture)

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Oral LD50 Rat >2000 mg/kg  
 4,4-Dimethyloxazolidine (Mixture)  
 Oral LD50 Rat 1037 mg/kg  
 Dermal LD50 Rat >2000 mg/kg  
 Inhalation LC50 Rat 1.1 mg/L 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 allergic skin reaction.

**Delayed Effects**

May damage fertility or the unborn child. May cause damage to liver and kidneys through prolonged exposure.

**Irritation/Corrosivity Data**

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

**Respiratory Sensitization**

No data available.

**Dermal Sensitization**

May cause allergic skin reaction.

**Component Carcinogenicity**

<b>Chlorinated paraffins</b>	Trade Secret
IARC:	Monograph 48 [1990] (Group 2B (possibly carcinogenic to humans))
DFG:	Category 3B (could be carcinogenic for man)
OSHA:	Present

**Germ Cell Mutagenicity**

No data available.

**Tumorigenic Data**

No data available

**Reproductive Toxicity**

May damage fertility or the unborn child.

**Specific Target Organ Toxicity - Single Exposure**

No target organs identified.

**Specific Target Organ Toxicity - Repeated Exposure**

Liver, kidneys

**Aspiration hazard**

No data available.

**Medical Conditions Aggravated by Exposure**

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No data available.

**Additional Data**

No additional information available.

### Section 12 - ECOLOGICAL INFORMATION

**Ecotoxicity**

Avoid release to the environment.

**Component Analysis - Aquatic Toxicity**

<b>Vinyl chloride/ethylene copolymer</b>	Trade Secret
Fish:	LC50 96 hr Cyprinus carpio >1000 mg/L [static]
<b>Epoxidized soybean oil</b>	Trade Secret
Fish:	LC50 48 hr freshwater fish 900 mg/L
Algae:	EC50 72 h Desmodesmus subspicatus 8 mg/L IUCLID
<b>Chlorinated paraffins</b>	Trade Secret
Fish:	LC50 96 h Lepomis macrochirus >300 mg/L [static]; LC50 96 h Oncorhynchus mykiss >0.0109 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 94.5 - 271 mg/L [static]; LC50 96 h Lepomis macrochirus >0.1 mg/L [flow-through]; LC50 96 h Pimephales promelas >100 mg/L [static]
Invertebrate:	EC50 48 hr Daphnia magna 0.0059 mg/L
<b>Propylene glycol</b>	57-55-6
Fish:	LC50 96 h Oncorhynchus mykiss 51600 mg/L [static]; LC50 96 h Oncorhynchus mykiss 41 - 47 mL/L [static]; LC50 96 h Pimephales promelas 51400 mg/L [static]; LC50 96 h Pimephales promelas 710 mg/L
Algae:	EC50 96 h Pseudokirchneriella subcapitata 19000 mg/L IUCLID
Invertebrate:	EC50 48 h Daphnia magna >1000 mg/L [static] EPA



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<b>Decanedioic acid ester</b>	Mixture
Fish:	LC50 96 h Lepomis macrochirus 0.97 mg/L [static]
<b>4,4-Dimethyloxazolidine</b>	Mixture
Fish:	LC50 96 hr Rainbow trout 95 mg/L [flow-through]

**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.

**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**

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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.

None

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

**Acute Health: Yes Chronic Health: Yes 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
Chlorinated paraffins	Trade Secret	No	Yes	No	No	No
Propylene glycol	57-55-6	No	No	Yes	Yes	Yes
Carbamic acid mixture	Mixture	No	No	No	Yes	No

**The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):**

WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects

None

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

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

Propylene glycol	57-55-6
	1 %

**Component Analysis - Inventory**

Epoxidized soybean oil (Trade Secret)

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

Chlorinated paraffins (Trade Secret)

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

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**Propylene glycol (57-55-6)**

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

**Phthalo blue (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

**Decanedioic acid ester (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

**4,4-Dimethyloxazolidine (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

**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: 2\* Fire: 0 Reactivity: 0

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

**NFPA Ratings**

Health: 2 Fire: 0 Reactivity: 0

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

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### 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 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.