



# Carlisle Spray Foam Insulation Safety Data Sheet

## 1. Identification of Substance:

Product Name: SEALTITE PRO ONE ZERO WINTER

### Supplier Identification:

Carlisle Spray Foam Insulation

### Telephone:

(770) 607-0755

### Address:

100 Enterprise Dr.  
Cartersville, GA 30120

### 24-Hr. Emergency Phone Number:

CHEMTREC (800) 424-9300  
INTERNATIONAL: +1-(703) 527-3887

Product Use: Polyurethane polyol component

## 2. Hazards Identification:

### GHS Ratings:

Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: $\geq$ 2.3 < 4.0 or persistent inflammation
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity $\geq$ 3, Iritis > 1.5
Skin sensitizer	1	Skin sensitizer
Reproductive toxin	2	Human or animal evidence possibly with other information
Organ toxin repeated exposure	2	Presumed to be harmful to human health- Animal studies with significant toxic effects relevant to humans at generally moderate exposure (guidance)- Human evidence in exceptional cases

### GHS Hazards

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H361	Suspected of damaging fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure

### GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P260	Do not breathe dust/fume/gas/mist/vapors/spray
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P264	Wash hands thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER in case of overexposure.
P314	Get Medical advice/attention if you feel unwell
P321	Specific treatment is urgent (see Section 4 First Aid measures)
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse

P302+P352 IF ON SKIN: Wash with soap and water  
P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
P308+P313 IF exposed or concerned: Get medical advice/attention  
P332+P313 If skin irritation occurs: Get medical advice/attention  
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention  
P405 Store locked up  
P501 Dispose of contents/container in accordance with existing federal, state, and local environmental control laws.

**Signal Word: Danger**



**Acute Toxicity:**

**Eyes:** Corrosive to eyes.

**Skin:** Irritating to skin.

**Inhalation:** Not expected to be a route of exposure.

**Ingestion:** Harmful if swallowed. Consult physician.

**Chronic Effects:** Possible harmful target organ effects

**3. Composition/Data on Components:**

Chemical Name	CAS number	Weight Concentration %
cis-1,1,1,4,4,4-Hexafluoro-2-butene	692-49-9	5.00% - 10.00%
2-Propanol, 1-chloro-, phosphate (3:1)	13674-84-5	5.00% - 10.00%
Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis[[bis(2-hydroxyethyl)amino]methyl]-4-branched	940912-28-7	5.00% - 10.00%
Triethanolamine	102-71-6	1.00% - 5.00%
Diethylene glycol	111-46-6	1.00% - 5.00%
Polyethylene glycol	25322-68-3	1.00% - 5.00%
Benzyl dimethylamine	103-83-3	1.00% - 5.00%
2-Propanol, 1-[bis[3-(dimethylamino)propyl]amino]-	67151-63-7	1.00% - 5.00%
2-Butoxyethanol	111-76-2	1.00% - 5.00%
1,4-Dioxane	123-91-1	0.00% - 0.10%
Ethylene glycol	107-21-1	0.00% - 0.10%

**4. First Aid Measures:**

**Inhalation:** If inhaled and symptoms ensue, move to fresh air. If breathing is difficult, give oxygen.

**After Eye Contact:** Rinse opened eye for at least 15 minutes under running water. Remove contact lenses if present and easy to do so, and continue rinsing. If irritation persists contact physician

**After Skin Contact:** Clean affected area with soap and plenty of water.

**After Swallowing:** Consult physician.

**Notes to Physician:** Treat symptomatically.

### **5. Fire Fighting Measures:**

Flash Point: >200°F, 93°C

LEL: N/A

UEL: N/A

**Upper and Lower Explosive Limits listed if known.**

**Suitable Extinguishing Agents:** Water spray, CO2, Foam, Dry chemical.

**Information about Protection against Explosions and Fires:** Keep away from flames and sources of heat. Closed containers may rupture when exposed to extreme heat.

**Dangerous Products of Decomposition:** Oxides of carbon, oxides of nitrogen, oxides of phosphorus, hydrocarbons, traces of HCN, hydrogen chloride gas, hydrogen fluoride.

**Protective Equipment:** Firefighters should wear a pressure demand self-contained breathing apparatus and protective clothing.

### **6. Accidental Release Measures:**

**Person-Related Safety Precautions:** Use appropriate personal protective equipment during clean up. Evacuate and keep unnecessary people out of spill area. Avoid contact with skin and eyes.

**Measures for Environmental Protection:** Cover and contain spill with absorbent material. Collect for proper disposal according to local, state, and federal regulations.

**Small Spills:** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece) clean surface thoroughly to remove residual contamination.

**Large Spills:** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

### **7. Handling and Storage:**

**Information for Safe Handling:** Avoid contact with eyes, skin, or inhalation.

Storage Requirements: Store in dry, well ventilated area. Keep containers tightly closed. Store between 60°F-100°F. Material may settle.

**Regulatory Requirements:** Obey all local, state, and federal requirements.

**8. Exposure Controls and Personal Protection:**

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
cis-1,1,1,4,4,4-Hexafluoro-2-butene 692-49-9	Not Established	Not Established	Not Established
2-Propanol, 1-chloro-, phosphate (3:1) 13674-84-5	Not Established	Not Established	Not Established
Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis[[bis(2-hydroxyethyl)amino]methyl]-4-branched nonylphenol 940912-28-7	Not Established	Not Established	Not Established
Triethanolamine 102-71-6	Not Established	5 mg/m3 TWA	Not Established
Diethylene glycol 111-46-6	Not Established	Not Established	Not Established
Polyethylene glycol 25322-68-3	Not Established	Not Established	Not Established
Benzyltrimethylamine 103-83-3	Not Established	Not Established	Not Established
2-Propanol, 1-[bis[3-(dimethylamino)propyl]amino]- 67151-63-7	Not Established	Not Established	Not Established
2-Butoxyethanol 111-76-2	50 ppm TWA; 240 mg/m3 TWA	20 ppm TWA	NIOSH: 5 ppm TWA; 24 mg/m3 TWA
1,4-Dioxane 123-91-1	100 ppm TWA	20 ppm TWA	Not Established
Ethylene glycol 107-21-1	50 ppm Ceiling	100 mg/m3 Ceiling (aerosol only)	Not Established

**Engineering Controls:** No specific measures required if proper PPE precautions are followed.

**General Protective and Hygienic Measures:** Usual precautionary measures should be adhered to when handling chemicals.

**Respiratory Protection:** None required if work area is properly ventilated. In spray applications, an organic vapor/particulate respirator or air supplied unit is necessary.

**Protection of Hands:** Protective chemical resistant gloves.

**Eye Protection:** Chemical resistant goggles must be worn.

**Body Protection:** Protective work clothing. Launder separately.

**Contaminated Gear:** Observe local requirements. Dispose of in accordance with local/state/federal

regulations.

## 9. Physical and Chemical Properties:

Physical properties listed where known.

<b>Appearance:</b> Black liquid	<b>Odor:</b> Mild
<b>Vapor Pressure:</b> N/A	<b>Odor threshold:</b> N/A
<b>Vapor Density:</b> N/A	<b>pH:</b> N/A
<b>Specific Gravity:</b> 1.15	<b>Melting point:</b> N/A
<b>Freezing point:</b> N/A	<b>Solubility:</b> N/A
<b>Boiling range:</b> 92 - 342°C	<b>Flash point:</b> .200°F, 93°C
<b>Evaporation rate:</b> N/A	<b>Flammability:</b> N/A
<b>Explosive Limits:</b> N/A	<b>Partition coefficient (n-octanol/water):</b> N/A
<b>Autoignition temperature:</b> 229°C	<b>Decomposition temperature:</b> N/A

## 10. Stability and Reactivity:

**Chemical Incompatible Materials:** Avoid contact with isocyanates and strong oxidizing agents.

**Hazardous Polymerization:** Not expected to occur.

**Dangerous Products of Decomposition:** Oxides of carbon, oxides of nitrogen, oxides of phosphorus, hydrocarbons, traces of HCN, hydrogen chloride gas, hydrogen fluoride

## 11. Toxicological Information:

### Mixture Toxicity

Oral Toxicity LD50: 2,915mg/kg  
Dermal Toxicity LD50: 4,185mg/kg  
Inhalation Toxicity LC50: 28mg/L

### Component Toxicity

### Individual Toxicity Values Listed if Known

#### Acute Toxicity:

**Eyes:** Corrosive to eyes.

**Skin:** Irritating to skin.

**Inhalation:** Not expected to be a route of exposure.

**Ingestion:** Harmful if swallowed. Consult physician.

**Chronic Effects:** Possible harmful target organ effects.

**Routes of Entry:** Ingestion, skin contact, eye contact.

**Target Organs:** Skin, eyes, reproductive system, kidneys

## Chemicals with Known or Possible Carcinogenic Effects:

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
123-91-1	1,4-Dioxane	0.0 to 0.1%	1,4-Dioxane: IARC group 2B - Possibly carcinogenic to humans

## **12. Ecological Information:**

**General Information:** Based on experience, no adverse effects are to be expected if correct disposal procedures have been followed as indicated in section 13.

Individual component ecotoxicity listed if known.

### **Component Ecotoxicity**

cis-1,1,1,4,4,4-Hexafluoro-2-butene	96 h LC50 <i>Oryzias latipes</i> (Orange-red killifish): 76.1 mg/l OECD Test Guideline 203 72 h ErC50 <i>Pseudokirchneriella subcapitata</i> (green algae): > 23.7 mg/l OECD Test Guideline 201 72 h NOEC <i>Pseudokirchneriella subcapitata</i> : (green algae) 6.92 mg/l 48 h EC50 <i>Daphnia magna</i> (Water flea): 22.5 mg/l OECD Test Guideline 202 21 d NOEC <i>Daphnia magna</i> (Water flea) 10 mg/l OECD Test Guideline 211
2-Propanol, 1-chloro-, phosphate (3:1)	96 Hr LC50 <i>Brachydanio rerio</i> : 56.2 mg/L [static]; 96 Hr LC50 <i>Pimephales promelas</i> : 98 mg/L [static]; 96 Hr LC50 <i>Poecilia reticulata</i> : 30 mg/L [static] 48 Hr EC50 <i>Daphnia magna</i> : 63 mg/L 72 Hr EC50 <i>Desmodesmus subspicatus</i> : 45 mg/L; 96 Hr EC50 <i>Pseudokirchneriella subcapitata</i> : 4 mg/L
Triethanolamine	96 Hr LC50 <i>Pimephales promelas</i> : 10600 - 13000 mg/L [flow-through]; 96 Hr LC50 <i>Pimephales promelas</i> : >1000 mg/L [static]; 96 Hr LC50 <i>Lepomis macrochirus</i> : 450 - 1000 mg/L [static] 72 Hr EC50 <i>Desmodesmus subspicatus</i> : 216 mg/L; 96 Hr EC50 <i>Desmodesmus subspicatus</i> : 169 mg/L
Diethylene glycol	96 Hr LC50 <i>Pimephales promelas</i> : 75200 mg/L [flow-through] 48 Hr EC50 <i>Daphnia magna</i> : 84000 mg/L
Benzyl dimethylamine	96 Hr LC50 <i>Pimephales promelas</i> : 35.8 - 39.9 mg/L [flow-through] 17 Hr EC50 Bacteria: 749.9 mg/L [Static] 48 Hr EC50 <i>Daphnia Magna</i> : >100 mg/L [Static] 72 Hr ErC50 Algae: 1.34 mg/L [Static] 96 Hr LC50 Fish: 37.8 mg/L [Static]
2-Butoxyethanol	96 Hr LC50 <i>Lepomis macrochirus</i> : 1490 mg/L [static]; 96 Hr LC50 <i>Lepomis macrochirus</i> : 2950 mg/L 48 Hr EC50 <i>Daphnia magna</i> : >1000 mg/L
Ethylene glycol	96 Hr LC50 <i>Oncorhynchus mykiss</i> : 41000 mg/L; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 14 - 18 mL/L [static]; 96 Hr LC50 <i>Lepomis macrochirus</i> : 27540 mg/L [static]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 40761 mg/L [static]; 96 Hr LC50 <i>Pimephales promelas</i> : 40000 - 60000 mg/L [static]; 96 Hr LC50 <i>Poecilia reticulata</i> : 16000 mg/L [static] 48 Hr EC50 <i>Daphnia magna</i> : 46300 mg/L 96 Hr EC50 <i>Pseudokirchneriella subcapitata</i> : 6500 - 13000 mg/L

## **13. Disposal Considerations:**

**Recommendation:** Observe local requirements. Dispose of in accordance with local/state/federal regulations.

**Empty Container Precautions:** Recondition or dispose of empty container in accordance with governmental regulations. If container is to be disposed, ensure all product residues are removed and

container is empty prior to disposal.

**14. Transport Information:**

**DOT Regulated Components:**

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods unless specifically cited below:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
	None			

**15. Regulatory Information:**

**OSHA HAZARD COMMUNICATION STANDARD:** This material is classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

**SARA 311/312 Hazard Categories:** Acute health hazard, chronic health hazard.

**WARNING:** This product can expose you to chemicals listed below, which are known to the State of California to cause cancer, birth defects, or reproductive harm. For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Diethanolamine	111-42-2	< 1 PPM	CARC
Ethylene glycol	107-21-1	15 PPM	DEVELOPMENTAL
1,4-Dioxane	123-91-1	121 PPM	CARC

**Massachusetts Right To Know List:**

2-Butoxyethanol	111-76-2	1 to 5 %
Triethanolamine	102-71-6	1 to 5 %

**New Jersey Right To Know List:**

2-Butoxyethanol	111-76-2	1 to 5 %
Benzylidimethylamine	103-83-3	1 to 5 %
Triethanolamine	102-71-6	1 to 5 %

**Pennsylvania Right To Know List:**

2-Butoxyethanol	111-76-2	1 to 5 %
Diethylene glycol	111-46-6	1 to 5 %
Triethanolamine	102-71-6	1 to 5 %

**SARA 302 Extremely Hazardous Substances:**

- None

**Chemicals subject to SARA 313 Reporting:**

- None

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
Canada	Canada DSL	Yes
US	Toxic Substances Control Act	Yes

**16. Other Information:**

Safety Data Sheet issued by Product Safety Department

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Carlisle Spray Foam Insulation. The data on these sheets relates only to the specific material designated herein. Carlisle Spray Foam Insulation assumes no legal responsibility for use or reliance upon this data. It is the user's responsibility to ensure that their activities comply with federal, state, or local laws.

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