



# Carlisle Spray Foam Insulation Safety Data Sheet

## 1. Identification of Substance:

Product Name: SEALTITE EPLUS

### 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:

Oral Toxicity	Acute Tox. 4	Oral>300+<=2000mg/kg
Dermal Toxicity	Acute Tox. 4	Dermal>1000+<=2000mg/kg
Skin corrosive	1C	Destruction of dermal tissue: Exposure < 4 hours Observation < 14 days, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Skin sensitizer	1	Skin sensitizer

### GHS Hazards

H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage

### GHS Precautions

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
P270	Do not eat, drink or smoke when using this product
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P310	Immediately call a POISON CENTER in case of overexposure.
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Specific treatment is urgent (see Section 4 First Aid measures)
P322	Specific measures: see Section 4 First Aid Measures
P330	Rinse mouth
P363	Wash contaminated clothing before reuse
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+P352	IF ON SKIN: Wash with soap and water

P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
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 %
2-Propanol, 1-chloro-, phosphate (3:1)	13674-84-5	30.00% - 40.00%
1,3-Propanediamine, N'-[3-(dimethylamino)propyl]-N,N-dimethyl-	6711-48-4	5.00% - 10.00%
2-(Dimethylamino)ethanol	108-01-0	1.00% - 5.00%

**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: 223 C (433 F)

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.

**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
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2-Propanol, 1-chloro-, phosphate (3:1) 13674-84-5	Not Established	Not Established	Not Established
1,3-Propanediamine, N'-[3-(dimethylamino)propyl]-N,N-dimethyl- 6711-48-4	Not Established	Not Established	Not Established
2-(Dimethylamino)ethanol 108-01-0	Not Established	Not Established	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:** 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.

<p><b>Appearance:</b> Amber liquid</p> <p><b>Vapor Pressure:</b> N/A</p> <p><b>Vapor Density:</b> N/A</p> <p><b>Specific Gravity:</b> 1.20</p> <p><b>Freezing point:</b> N/A</p> <p><b>Boiling range:</b> 100 - 342°C</p> <p><b>Evaporation rate:</b> N/A</p> <p><b>Explosive Limits:</b> N/A</p> <p><b>Autoignition temperature:</b> 295°C</p>	<p><b>Odor:</b> Amine odor</p> <p><b>Odor threshold:</b> N/A</p> <p><b>pH:</b> N/A</p> <p><b>Melting point:</b> N/A</p> <p><b>Solubility:</b> N/A</p> <p><b>Flash point:</b> 433°F, 223°C</p> <p><b>Flammability:</b> N/A</p> <p><b>Partition coefficient (n-octanol/water):</b> N/A</p> <p><b>Decomposition temperature:</b> N/A</p>
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## **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.

## **11. Toxicological Information:**

### **Mixture Toxicity**

Oral Toxicity LD50: 1,265mg/kg

Dermal Toxicity LD50: 1,821mg/kg

Inhalation Toxicity LC50: 14mg/L

### Component Toxicity

13674-84-5	2-Propanol, 1-chloro-, phosphate (3:1) Oral LD50: 500 mg/kg (Rat) Dermal LD50: 1,230 mg/kg (Rabbit) Inhalation LC50: 5 mg/L (Rat)
6711-48-4	1,3-Propanediamine, N'-[3-(dimethylamino)propyl]-N,N-dimethyl- Oral LD50: 1,250 mg/kg (Rat) Dermal LD50: 370 mg/kg (Rabbit)
108-01-0	2-(Dimethylamino)ethanol Oral LD50: 1,803 mg/kg (Rat) Dermal LD50: 3,000 mg/kg (Rabbit) Inhalation LC50: 1,641 ppm

### 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>
None			None

### 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

2-Propanol, 1-chloro-, phosphate (3:1)	96 Hr LC50 Brachydanio rerio: 56.2 mg/L [static]; 96 Hr LC50 Pimephales promelas: 98 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 30 mg/L [static] 48 Hr EC50 Daphnia magna: 63 mg/L 72 Hr EC50 Desmodesmus subspicatus: 45 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: 4 mg/L
1,3-Propanediamine, N'-[3-(dimethylamino)propyl]-N,N-dimethyl-	3 Hr EC50 Bacteria >1000 mg/l [Static] 48 Hr EC50 Daphnia 50.3 mg/l [Static] 72 Hr ErC50 (growth rate) Algae 7.9 mg/l [Static] 96 Hr LC50 Fish 21.4 mg/l [Static]
2-(Dimethylamino)ethanol	96 Hr LC50 Pimephales promelas: 81 mg/L [static] 48 Hr EC50 Daphnia magna: 98.77 mg/L 72 Hr EC50 Desmodesmus subspicatus: 35 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)

Acrylonitrile 107-13-1 1 PPM CARC  
Styrene 100-42-5 6 PPM CARC

**Massachusetts Right To Know List:**

2-(Dimethylamino)ethanol 108-01-0 1 to 5 %

**New Jersey Right To Know List:**

2-(Dimethylamino)ethanol 108-01-0 1 to 5 %

**Pennsylvania Right To Know List:**

2-(Dimethylamino)ethanol 108-01-0 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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