

# Accella Polyurethane Systems

## Safety Data Sheet

### 1. Identification of Substance:

**Product Name:** FOAMSULATE 220 SERIES

**Supplier Identification:**

Accella Polyurethane Systems

**Telephone:**

770-607-0755

**Address:**

100 Enterprise Drive  
Cartersville, GA 30120

**24-Hr. Emergency Phone Number:**

CHEMTREC (800) 424-9300

**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
Organ toxin single 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
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
H371	May cause damage to organs
H373	May cause damage to organs through prolonged or repeated exposure

**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.
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  
P309+P311 IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician  
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**



### 3. Composition/Data on Components:

Chemical Name	CAS number	Weight Concentration %
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%
2-Propanol, 1-chloro-, phosphate (3:1)	13674-84-5	5.00% - 10.00%
Diethylene glycol	111-46-6	1.00% - 5.00%
Amine Catalyst	33329-35-0	1.00% - 5.00%
Triethyl phosphate	78-40-0	1.00% - 5.00%
1,1,1,3,3-Pentafluoropropane	460-73-1	1.00% - 5.00%
Glycerin	56-81-5	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: N/A

LEL:

UEL:

Upper and lower explosive limits listed if known.

**Suitable Extinguishing Agents:** Water spray, CO<sub>2</sub>, Foam, Dry chemical

**Information about Protection against Explosions and Fires:** Closed containers may rupture when exposed to extreme heat.

**Dangerous Products of Decomposition:** Oxides of carbon, oxides of nitrogen, oxides of phosphorus, hydrocarbons,

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

## 6. Accidental Release Measures:

**Person-Related Safety Precautions:** 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.

## 7. Handling and Storage:

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

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

## 8. Exposure Controls and Personal Protection:

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
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
2-Propanol, 1-chloro-, phosphate (3:1) 13674-84-5	Not Established	Not Established	Not Established
Diethylene glycol 111-46-6	Not Established	Not Established	Not Established
Amine Catalyst 33329-35-0	Not Established	Not Established	Not Established
Triethyl phosphate 78-40-0	Not Established	Not Established	Not Established
1,1,1,3,3-Pentafluoropropane 460-73-1	Not Established	Not Established	Not Established
Glycerin 56-81-5	15 mg/m <sup>3</sup> TWA (mist, total particulate); 5 mg/m <sup>3</sup> TWA (mist, respirable fraction)	Not Established	Not Established

**Engineering Controls:** No specific measures required.

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

**Respiratory protection:** None required if work area is properly ventilated.

**Hand Protection:** Protective chemical resistant gloves.

**Eye Protection:** Safety glasses.

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

## 9. Physical and Chemical Properties:

Physical properties listed where known.

<b>Appearance:</b> Amber 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> 5.75	<b>Melting point:</b> N/A
<b>Freezing point:</b> N/A	<b>Solubility:</b> N/A
<b>Boiling range:</b> 100 - 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: 3,595mg/kg

Inhalation Toxicity LC50: 32mg/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)

33329-35-0 Amine Catalyst

Dermal LD50: 1,150 mg/kg (Rabbit) Inhalation LC50: 2 mg/L (Rat)

### Toxicity Values Listed if Known

#### Acute Toxicity:

**Eyes:** Irritating to eyes

**Skin:** Harmful in contact with 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:** Eyes, Skin, Digestive tract

**Chemicals with Known or Possible Carcinogenic Effects:**

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
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## 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
Diethylene glycol	96 Hr LC50 Pimephales promelas: 75200 mg/L [flow-through] 48 Hr EC50 Daphnia magna: 84000 mg/L
Amine Catalyst	48 Hr LC50 Orzyias latipes 430 mg/L 48 Hr EC50 Daphnia 48 mg.L
Glycerin	96 Hr LC50 Oncorhynchus mykiss: 51 - 57 mL/L [static]

## 13. Disposal Considerations:

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

## 14. Transport Information:

Not considered a dangerous good according to transport regulations unless specifically cited below:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
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## 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

**California Proposition 65  
(Safe Drinking Water and Toxic Enforcement Act of 1986)**

This product contains no substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute unless otherwise listed:

### **Massachusetts Right To Know List:**

Glycerin 56-81-5 1 to 5 %

### **New Jersey Right To Know List:**

Glycerin 56-81-5 1 to 5 %

### **Pennsylvania Right To Know List:**

Glycerin 56-81-5 1 to 5 %

Diethylene glycol 111-46-6 1 to 5 %

**Country**Canada  
US**Regulation**Canada DSL  
Toxic Substances Control Act**All Components Listed**Yes  
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 Accella Polyurethane Systems. The data on these sheets relates only to the specific material designated herein. Accella Polyurethane Systems 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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Reviewer Revision 2