

Accella Polyurethane Systems

Safety Data Sheet

1. Identification of Substance:

Product Name: Premipour 202M

Supplier Identification:

Accella Polyurethane Systems

Telephone:

(306) 721-1339

Address:

190 Hodsman Road
Regina, SK, Canada S4N 5X4

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CHEMTREC (800) 424-9300
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Product Use: Polyurethane polyol component

2. Hazards Identification:

GHS Ratings:

Skin corrosive	3	Reversible adverse effects in dermal tissue, Draize score: $\geq 1.5 < 2.3$
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

H316	Causes mild skin irritation
H373	May cause damage to organs through prolonged or repeated exposure (Kidneys)

GHS Precautions

P260	Do not breathe dust/fume/gas/mist/vapors/spray
P314	Get Medical advice/attention if you feel unwell
P332+P313	If skin irritation occurs: Get medical advice/attention
P501	Dispose of contents/container in accordance with existing federal, state, and local environmental control laws.

Signal Word: Warning



Acute Toxicity:

Eyes: Minor potential for irritation.

Skin: Minor potential for irritation.

Inhalation: Not expected to be a route of exposure.

Ingestion: Consult physician.

Chronic Effects: Not expected to cause any adverse chronic health effects.

3. Composition/Data on Components:

Chemical Name	CAS number	Weight Concentration %
2-Propanol, 1-chloro-, phosphate (3:1)	13674-84-5	10.00% - 20.00%
1,1,1,3,3-Pentafluoropropane	460-73-1	5.00% - 10.00%
trans-1,2-Dichloroethylene	156-60-5	1.00% - 5.00%
Diethylene glycol	111-46-6	1.00% - 5.00%
1,4-Diazabicyclo[2.2.2]octane	280-57-9	0.10% - 1.00%

4. First Aid Measures:

Inhalation: 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.

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 C (392 F)

LEL: N/A

UEL: N/A

Flammable limits listed if known

Suitable Extinguishing Agents: Water spray, CO₂, 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 phosphorous, 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: 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. Material may settle.

8. Exposure Controls and Personal Protection:

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
2-Propanol, 1-chloro-, phosphate (3:1) 13674-84-5	Not Established	Not Established	Not Established
1,1,1,3,3-Pentafluoropropane 460-73-1	Not Established	Not Established	Not Established
trans-1,2-Dichloroethylene 156-60-5	Not Established	200 ppm TWA	Not Established
Diethylene glycol 111-46-6	Not Established	Not Established	Not Established
1,4-Diazabicyclo[2.2.2]octane 280-57-9	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: None required if work area is properly ventilated.

Protection of Hands: 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.

Appearance: Amber liquid	Odor: Mild amine odor
Vapor Pressure: N/A	Odor threshold: N/A
Vapor Density: N/A	pH: N/A
Specific Gravity: 1.10	Melting point: N/A
Freezing point: N/A	Solubility: N/A
Boiling range: 48 - 342°C	Flash point: 392°F, 200°C
Evaporation rate: N/A	Flammability: N/A
Explosive Limits: N/A	Partition coefficient (n-octanol/water): N/A

Autoignition temperature: 229°C

Decomposition temperature: N/A

10. Stability and Reactivity:

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 phosphorous, hydrocarbons, traces of HCN, hydrogen chloride gas, hydrogen fluoride.

11. Toxicological Information:

Mixture Toxicity

Oral Toxicity LD50: 3,728mg/kg

Inhalation Toxicity LC50: 37mg/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)
156-60-5	trans-1,2-Dichloroethylene	Oral LD50: 1,235 mg/kg (Rat)	Dermal LD50: 5,000 mg/kg (Rabbit)	
111-46-6	Diethylene glycol	Oral LD50: 1,120 mg/kg (Rat)	Inhalation LC50: 5 mg/L (Rat)	
280-57-9	1,4-Diazabicyclo[2.2.2]octane	Oral LD50: 1,700 mg/kg (Rat)	Dermal LD50: 3,200 mg/kg (Rabbit)	

Toxicity Values Listed if Known

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Acute Toxicity:

Eyes: Minor potential for irritation.

Skin: Minor potential for irritation.

Inhalation: Not expected to be a route of exposure.

Ingestion: Consult physician.

Chronic Effects: Possible target organ effects.

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

Target Organs: Skin, eyes, 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
trans-1,2-Dichloroethylene	96 Hr LC50 Lepomis macrochirus: 135 mg/L [static]
Diethylene glycol	96 Hr LC50 Pimephales promelas: 75200 mg/L [flow-through] 48 Hr EC50 Daphnia magna: 84000 mg/L
1,4-Diazabicyclo[2.2.2]octane	96 Hr LC50 Pimephales promelas: 1510 - 1980 mg/L [flow-through]

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:

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>
	None			

15. Regulatory Information:

OSHA HAZARD COMMUNICATION STANDARD: This material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

SARA 311/312 Hazard Categories: None.

**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:

Warning: This product contains chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm:

- None

Massachusetts Right To Know List:

trans-1,2-Dichloroethylene 156-60-5 1 to 5 %

New Jersey Right To Know List:

- None

Pennsylvania Right To Know List:

Diethylene glycol 111-46-6 1 to 5 %
trans-1,2-Dichloroethylene 156-60-5 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 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.

Date revised: 1/30/2018

Reviewer Revision 2

Date Prepared: 1/30/2018