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SAFETY DATA SHEET

SECTION 1 - Identification

1.1 Product Identifier

Product Name • LDB-200S TAP X-30 Polyurethane Foam B
Synonyms • Polyol Resin Blend

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use • Component for Polyurethane

1.3 Details of the Supplier of the Safety Data Sheet

Manufacturer • Carpenter Co.
5016 Monument Ave.
Richmond, Virginia 23230
(804) 233-0606

1.4 Emergency Telephone

Chemtrec • (800) 424-9300 (24-hr number)

SECTION 2 - Hazards Identification

2.1 Classification of the Substance or Mixture

Classification in accordance with 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200):

Eye Irritation Category 2B – H320

2.2 GHS Label Elements

Hazard Pictogram



Signal Word

WARNING

Hazard Statements

H320 – Causes eye irritation.

Precautionary Statements

Prevention

P280 – Wear protective gloves, protective clothing, face protection, and eye protection.
P270 – Do not eat, drink, or smoke when using this product.
P264 – Wash thoroughly after handling.

Response	P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 – If eye irritation persists: Get medical attention.
Storage/Disposal	P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. P405 – Store locked up.

2.3 Hazards Not Otherwise Classified

- May cause mild skin irritation.
- Refer to Section 11 toxicological information for additional toxicity information.
- Refer to Section 16 Other Information for HMIS and NFPA Codes.

SECTION 3 - Composition/Information on Ingredients

3.1 Substance

Material does not meet the criteria of a substance according to United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

3.2 Mixtures

Name	Identifier	% (weight)
trans-1-Chloro-3,3,3-trifluoropropene	CAS# 102687-65-0	5-8
Propylene carbonate	CAS# 108-32-7	4-6
Amine catalyst	CAS# Mixture	1-2

The exact percentages of the component(s) have been withheld as a trade secret.

SECTION 4 - First Aid Measures

4.1 Description of First Aid Measures

By route of inhalation	• Remove victim to fresh air.
By route of dermal contact	• Wash thoroughly with soap and water.
By route of eye contact	• Flush with plenty of water for at least 15.
By route of ingestion	• DO NOT INDUCE VOMITING. If victim is conscious, give 1 to 2 glasses of water for dilution. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Seek medical attention.

4.2 Most Important Symptoms and Effects, Acute and Chronic

- Refer to Section 11 Toxicological Information.

4.3 Indication of Immediate Medical Attention and Special Treatment If Needed

- Treat symptomatically.

SECTION 5 - Firefighting Measures

5.1 Extinguishing Media

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|--------------------------------|--|
| Suitable Extinguishing Media | • Dry chemical, foam, carbon dioxide, water fog or fine spray. |
| Unsuitable Extinguishing Media | • Do not use direct water spray. May spread fire. |

5.2 Special Hazards Arising From the Substance or Mixture

- May produce oxides of carbon, nitrogen, and silicon on combustion.

5.3 Special Protective Actions for Firefighters

- Responding personnel must wear positive-pressure, self-contained breathing apparatus (SCBA) and protective firefighting clothing.

SECTION 6 - Accidental Release Measures

6.1. Personal Precautions, Protective Equipment, and Emergency Procedures

- Isolate the area. Keep unauthorized people away. Do not touch or walk through the spilled material. Spilled material may be slippery. Ensure adequate ventilation in enclosed area. Eliminate all ignition sources. Use protective equipment appropriate for the size of the spill.

6.2 Environmental Precautions

- Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

6.3 Methods and Materials for Containment and Clean Up

- | | |
|-----------|--|
| Methods | • Stop leak, dam spill, and transfer liquid into a suitable container.
• Collect residue with absorbent and transfer into a suitable container for proper disposal. |
| Materials | • For large spills, responding personnel must use supplied-air positive pressure breathing apparatus.
• Use an inert absorbent (sand, earth or similar). |

6.4 Reference to Other Sections

- Refer to Section 8 for exposure control and personal protective equipment information.
- Refer to Section 12 for ecological information.

SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Do not breathe dust, fume, gas, mist, vapors, or spray.
- Do not use in areas without adequate ventilation.

- Avoid contact with eyes, skin, and clothing.
- Use good safety and industrial hygiene practices.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Storage	<ul style="list-style-type: none"> • Store materials in a cool, well ventilated, dry place. Keep containers tightly closed when not in use. Do not store and transport with oxidizers and acids.
Incompatibilities	<ul style="list-style-type: none"> • Keep away from oxidizing materials, strong alkalis and acids, isocyanates.

SECTION 8: Exposure Controls/ Personal Protection

8.1 Control Parameters

Exposure Limits/Guidelines	<ul style="list-style-type: none"> • None established.
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8.2 Exposure Controls

Engineering Controls	<ul style="list-style-type: none"> • Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.
Eye/Face Protection	<ul style="list-style-type: none"> • Safety glasses with side shields. Chemical goggles if there is a significant risk of splashing.
Respiratory Protection	<ul style="list-style-type: none"> • None required under normal use.
Skin Protection	<ul style="list-style-type: none"> • Wear suitable working clothes. • Wear chemical resistant gloves appropriate for the intended use. Consult glove manufacturers for assistance in choosing appropriate gloves.
Additional Protection Measures	<ul style="list-style-type: none"> • Use near eyewash station and safety shower.

SECTION 9: Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	• Liquid	Odor	• Low odor
Appearance/Color	• Light brown	Odor Threshold	• No data available
General Properties			
Boiling Point	• No data available	Melting Point	• No data available
Decomposition Temperature	• No data available	pH	• No data available
Density	• No data available	Water Solubility	• Low
Solvent Solubility	• No data available	Viscosity	• No data available
Explosive Properties	• No data available	Oxidizing Properties	• No data available
Explosive Properties	• No data available	Specific Gravity/Relative Density	• 1.10-1.12(H ₂ O=1)
Volatility			
Vapor Pressure	• No data available	Vapor Density	• No data available

Evaporation Rate	• No data available	VOC (Vol.)	• No data available
Volatiles (Vol.)	• No data available		
Flammability			
Flash Point	• >200°F (PMCC)	LEL	• No data available
UEL	• No data available	Flammability (solid, gas)	• No data available
Auto-ignition Temperature	• No data available		
Environmental			
Octanol/Water Partition Coefficient	• No data available		

9.2. Other Information

No additional information available

SECTION 10: Stability and Reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical Stability

Stable under normal temperatures and pressures.

10.3 Possibility of Hazardous Reactions

No data available.

10.4 Conditions to Avoid

Elevated temperatures.

10.5 Incompatible Materials

Oxidizing materials, strong alkalis and acids, isocyanates.

10.6 Hazardous Decomposition Products

No data available.

SECTION 11: Toxicological Information

11.1 Information on Toxicological Effects

Most likely routes of exposure are eye and skin.

Acute Toxicity

- No data available

Skin Corrosion/Irritation

- Based on available information, skin corrosion/irritation is not expected under normal conditions of use.

Serious Eye Damage/Irritation

- Eye Irritation Category 2B – Causes eye irritation.

Respiratory or Skin Sensitization

- Based on available information, sensitization criteria are not met.

Germ Cell Mutagenicity

- Available studies have not indicated this material to be a mutagen.

Carcinogenicity

- This product does not contain any component that is considered a human carcinogen by IARC, ACGIH, OSHA or NTP

Reproductive Toxicity

- No data available

Specific Target Organ Toxicity (single exposure) (STOT-SE)

- No data available

Specific Target Organ Toxicity (repeated exposure) (STOT-RE)

- No data available

Aspiration Hazard

- No data available

11.2 Potential Health Effects

Inhalation

- | | |
|---------|---------------|
| Acute | • None known. |
| Chronic | • None known. |

Skin

- | | |
|---------|------------------------------|
| Acute | • May cause mild irritation. |
| Chronic | • None known. |

Eye

- | | |
|---------|-------------------------|
| Acute | • Can cause irritation. |
| Chronic | • None known. |

Ingestion

- | | |
|---------|--|
| Acute | • May cause gastrointestinal discomfort. |
| Chronic | • None known. |

SECTION 12: Ecological Information

12.1 Ecotoxicity

This product is not expected to cause significant effects in the aquatic environment.

12.2 Persistence and Degradability

No data available.

12.3 Bioaccumulative Potential

No data available.

12.4 Mobility in Soil

No data available.

12.5 Other Adverse Effects

No data available.

SECTION 13: Disposal Considerations

13.1 Waste Disposal Method

Product Waste

- Do not dump into any sewers, on the ground, or into any body of water.
- All disposal methods must be in compliance with Federal, State/Provincial, and local regulations.
- Store material for disposal as indicated in Section 7 Handling and Storage.

Packaging Waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

SECTION 14: Transport Information

U.S. DOT/IATA/IMDG

Not regulated as hazardous for shipping.

SECTION 15: Regulatory Information

15.1 Regulatory Status

CERCLA Hazardous Substances (40 CFR 302): None reportable

SARA 311/312:

trans-1-Chloro-3,3,3-trifluoropropene - Acute health hazard. Pressure hazard. Fire hazard.

SARA 313: None reportable

15.2 US State Regulations

STATE RIGHT-TO-KNOW: To the best of our knowledge, this product contains no chemical known to the State of California to cause cancer, birth defects, or other reproductive harm. (California Health and Safety Code Section 25249.6).

15.3 Canadian Regulations

DSL: All components of this product are listed on, or exempt from the DSL.

15.4 International Inventories*

United States: All components of this product are listed on the TSCA inventory.

*=Although a chemical may be listed on a country's inventory, it may not indicate a hazard or regulatory control for use.

SECTION 16: Other Information

16.1 HMIS AND NFPA RATINGS

HMIS Classification

Health: 1

Flammability: 1

NFPA Ratings

Health: 1

Flammability: 1

Reactivity: 0

Instability: 0
Special: None

16.2 EU CLP Relevant Phrases

Not classified

16.3 Preparation By

I.H. Department

16.4 Preparation Date

August 9, 2019

16.5 Last Revision Date

Not applicable

16.6 Disclaimer/Statement of Liability

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