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Material Safety Data Sheet

Section I.

GENERAL INFORMATION

Product Name: ProTech™ LDB-170E-I
Description: Polyol Resin Blend
Manufacturer's Name: Carpenter Co.-Chemical Systems Division
5016 Monument Avenue
Richmond, Virginia 23230
Information Telephone: Carpenter Co.
Chemical Systems Division (804) 233-0606
Emergency Telephone: Chemtrec (800) 424-9300
Preparation Date: January 11, 2005

Section II.

HAZARDOUS INGREDIENTS

Chemical Name	Exposure Limits in Air	
	OSHA (PEL)	ACGIH (TLV)
Alkyl Phosphate	Not Est.	Not Est.
Diethylene Glycol	Not Est.	Not Est.
HFC-245fa	Not Est.	Not Est.
Polysiloxane Surfactant	Not Est.	Not Est.

Section III.

PHYSICAL CHEMICAL CHARACTERISTICS

Boiling Point (°F):	N.Av.	Specific Gravity:	1.25-1.28 (H ₂ O=1)
Vapor Pressure: (mm Hg, @ 20°C)	N.Av.	Melting Point (°F):	N.Av.
Vapor Density: (air=1)	N.Av.	Evaporation Rate: (butyl acetate=1)	N.Av.

Solubility in H₂O: Low.

Appearance and Odor: Brown liquid, faint odor.

Section IV.

FIRE AND EXPLOSION DATA

Flash Point (°F): >200 (PMCC) **LEL:** N.Av. **UEL:** N.Av.

Extinguishing Media: CO₂, dry chemical, foam, or water spray.

Special Fire Fighting Procedures: Responding personnel must wear self-contained breathing apparatus, and protective gear. Do not spray pool fires with direct water spray.

Unusual Fire or Explosion Hazards: Drums may rupture under fire conditions.

Section V. REACTIVITY DATA

Stability: Stable.

Conditions to Avoid: Elevated temperatures; exposure to sparks, hot spots, and open flames.

Incompatibility: Strong acids and alkalis, reactive metals, strong oxidizing agents.

Hazardous Decomposition Products: Upon burning, oxides of carbon and silicon.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None known.

Section VI.

HEALTH HAZARD DATA

Primary Routes of Entry: Eye and skin contact, inhalation.

Acute Health Hazards:

Ingestion: May cause gastrointestinal discomfort.

Inhalation: At high levels of exposure, arrhythmia may occur.

Skin Contact: May cause irritation.

Eye Contact: May cause irritation.

Chronic Health Hazards: None known.

Carcinogenicity: NTP: No IARC: No OSHA: No

Medical Conditions Aggravated by Exposure: None known.

First Aid Procedures:

Ingestion: DO NOT INDUCE VOMITING. Seek immediate medical attention.

Skin Contact: Wash thoroughly with soap and water. Wash contaminated clothes thoroughly before reusing.

Inhalation: Remove to fresh air. Give oxygen or artificial respiration as needed. Seek medical attention as needed.

Eye Contact: Immediately flush eyes with flowing water for at least 15 minutes. Seek medical attention.

Note to physician: Do not give epinephrine (adrenaline).

Section VII.

H.M.I.S. RATING

Health	1
Flammability	1
Reactivity	0
Personal Protection	-

Section VIII.

PRECAUTIONS FOR HANDLING AND USE

Steps to Be Taken in Case Materials are Spilled: For large spills, responding personnel must use self-contained breathing apparatus. Evacuate area, stop leak, dam spill, and transfer liquid into a suitable container. Collect residue with absorbent and transfer into a suitable container for proper disposal.

Waste Disposal Method: Dispose of in accordance with all applicable local, state, and Federal regulations.

Handling/Storage: Store in cool dry location. Keep container tightly closed. Avoid breathing vapors. Open drums carefully in the event of pressure build up.

Other Precautions: Keep away from heat, sparks, and open flame.

Section IX.

CONTROL MEASURES

Respiratory Protection: None required if adequate ventilation is provided.

Ventilation: General mechanical ventilation.

Skin Protection: Butyl, nitrile or rubber latex gloves.

Eye Protection: Safety glasses with side shields or chemical goggles if there is a potential for splashing.

Other Protection: Depending on conditions of use, additional protection such as aprons and arm covers may be needed. Eye wash station and safety shower should be near.

Work/Hygienic Practices: Wash thoroughly after using.

Section X.

REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA):

The ingredients of this product are listed on the TSCA Inventory.

SARA TITLE III INFORMATION:

Section 311/312 - Reportable Materials:

- | | |
|-------------------|---|
| Alkyl Phosphate | - An immediate health hazard. |
| Diethylene Glycol | - An immediate and delayed health hazard. |
| HFC-245fa | - An immediate health hazard. |
| Polysiloxane | - A fire hazard. |

Section 313 - Supplier Notification:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372):

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>PERCENT BY WEIGHT</u>
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None

This information must be included in all MSDS's that are copied and distributed for this material.

STATE RIGHT-TO-KNOW**CALIFORNIA PROPOSITION 65 INFORMATION:**

This product contains detectable amounts of a chemical known to the state of California to cause cancer, birth defects, or other reproductive harm. (California Health and Safety Code Section 25249.6).

The data in this Material Safety Data Sheet is offered for your consideration, investigation and verification. The data is presented in good faith and was obtained from sources Carpenter believes to be reliable. Carpenter, however, makes no representation as to the completeness or accuracy. Carpenter makes no warranty, express or implied, with respect to the data contained herein.

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