

MATERIAL SAFETY DATA SHEET

Product Name: Solvon® PB
Catalog Number: 20420, 20421, 20422
DOT Hazard Class: Not Applicable
MSDS Prepared: 9/2011

Distributed By: Ladd Research
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CHEMICAL COMPONENTS

	<i>CAS Number</i>	<i>Percent</i>	<i>Exposure Limits</i>
n-Propyl bromide	106-94-5	>94	100ppm
t-Butanol	75-65-0	<2	100ppm
1,2-Epoxybutane	106-88-7	<2	Not Available
Acetonitrile	75-05-8	<2	40ppm

PHYSICAL AND CHEMICAL DATA

Appearance and Odor – Clear, colorless liquid with characteristic alkyl halide odor

Specific Gravity – 1.33

Boiling Point - 71°C

Percent Volatile – 100

Vapor Pressure - ~112 mm Hg at 20°C

Vapor Density - ~4.3

Solubility in Water – 0.25 g/100ml at 20°C

FIRE AND EXPLOSION HAZARD DATA

Flash Point – None

Flammable Limits – 4.0 – 8.0 (% in air)

Autoignition Temperature - 490°C for n-propyl bromide

Extinguishing Media – Carbon dioxide, dry chemical powder, alcohol foam or polymer foam.
Water may not be effective.

Special Fire Fighting Procedures – Wear self-contained breathing apparatus and protective gear to prevent eye and skin contact.

Unusual Fire and Explosion Hazard – Containers may explode in fire. Toxic and corrosive fumes may be released.

HEALTH HAZARD DATA

Eyes – May cause irritation.

Skin – May cause irritation.

Ingestion – Low toxicity, not expected to be a hazard in normal use.

Inhalation – May irritate nose, throat and lungs. High doses may cause CNS Depression.

EMERGENCY AND FIRST AID

Eyes - Spread eyelids and flush with water for at least 15 minutes. Obtain medical attention.

Skin – Remove contaminated clothing, wash skin thoroughly with soap and water.

Inhalation – Remove person to fresh air. Obtain medical attention.

Ingestion – Wash mouth with plenty water. Give a glass of water to drink. Obtain medical attention.

REACTIVITY DATA

Stability – Stable under normal conditions

Materials to Avoid – Strong oxidizers and strong bases

Conditions to Avoid – Keep away from ignition source.

Decomposition Products – Hydrogen bromide and oxides of carbon.

Hazardous Decomposition Products – Will not occur

SPILL, DISPOSAL AND STORAGE INFORMATION

Spill – Shut off all sources of ignition. Contain the spill and absorb with inert material. Place in a waste container. Wash spill site and ventilate the area.

Disposal – Apply appropriate local, state and federal regulations.

Storage – Store in a dry, cool, well ventilated area. Keep containers closed. Keep away from heat, sparks and open flame.

PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Ventilation – Provide good local ventilation where needed.

Eye – Chemical safety goggles or face shield with safety glasses.

Gloves/Clothing – Wear chemically resistant gloves, clothing and boots to minimize contact with skin.

Respiratory – Use approved respirators if vapor or misting occurred, or in insufficiently ventilated area.

SECTION 313 SUPPLIER NOTIFICATION

1,2 Epoxybutane, t-butanol and acetonitrile are subject to the reporting requirements of SARA Section 313, Title III.

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