

MATERIAL SAFETY DATA SHEET

Fabrisolv® XL, Revision 01, 9/2007



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Fabrisolv® XL U.S. Patent 6,660,701

1. Product Identification

Product Name: Fabrisolv® XL
Chemical Name: Solvents, mixture
Chemical Family: Halocarbon, Alkyl-Bromide mixture (nPB)

Supplier: Poly Systems USA, Inc. Tel. 201-437 6500
Address: P.O.Box 49, 39 Avenue C, Fax. 201-437 0366
Bayonne, NJ 07002

2. Composition and Information on Ingredients

Hazardous Components:

Chemical Name	CAS No.	Wt %	Exposure Limit
n-Propyl bromide	106-94-5	> 94	100 ppm*
1,2 Epoxybutane	106-88-7	< 1	Not Established
Proprietary		< 4	100 ppm

*Mfg recommended, not established by OSHA, based on study by independent sources.

3. Hazards Identification

Overexposure, Signs and Effects

Eyes: May cause irritation.
Skin: May cause skin irritation and dryness.
Ingestion: Low toxicity, not expected to be a hazard in normal use.
Inhalation: May irritate the nose, throat and lungs, Exposure to high doses may cause central nervous system depression. Such doses may also cause adverse effect in liver, kidney and lung.
Carcinogenicity: None

4. First Aid Measures

Eyes: Spread the eyelids, flush with ample amount of water for 20 minutes. Get medical attention.
Skin: Remove contaminated clothing, wash skin thoroughly with soap and water.
Get medical attention if irritation developed.
Inhalation: Remove person to fresh air. Get medical attention.
Ingestion: Wash mouth with plenty of water. Give a glass of water to drink (only if conscious). Get medical attention.

5. Fire Fighting Measures

Flash Point	None
Flammable/Explosion limits	4.0-8.0 (% by Volume in Air)
Autoignition Temp	490°C for n-propyl bromide.
Extinguishing Media:	Carbon dioxide, dry chemical powder, alcohol foam or polymer foam (class ABC, BC fire extinguisher). 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.

6. Accidental Release Measures

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.

7. Handling and Storage.

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

8. Exposure Controls, Personal Protection

Ventilation requirements: Provide good local ventilation where needed to keep emissions below the recommended exposure limits.

Personal Protection

Eyes: Chemical safety goggles or face shield with safety glasses
Skin: Wear chemically resistant gloves, clothing and boots to minimize contact with skin.
Respiratory: Use approved respirators if vapor or misting occurred, or in insufficient ventilated area.

9. Physical and Chemical Properties

Appearance:	Clear, colorless liquid	Specific Gravity:	1.33-1.36
Odor:	Characteristic odor.	Boiling Point:	160°F (71°C)
Evaporation Rate:	6.0 nBuOAc=1.0	Volatile (%):	100
Vapor Pressure:	~112 mm Hg at 20°C	Vapor Density:	~4.3
Solubility in Water:	0.25 g/100ml at 20°C	Flash Point:	None
Flammable Limits:	4.0-8.0 (% in air)		

10. Stability and Reactivity

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, carbon monoxide and carbon dioxide
Polymerization: Will not occur

11. Toxicological Information

n-Propyl bromide LD50/Rat, oral -- 4260 mg/Kg
 LC50/Rat, inhalation -- 253000 mg/m³/0.5 hr
 1,2 Epoxybutane LD50/Rat, oral -- 1180 mg/Kg
 LD50/Rabbit, dermal -- 1760 mg/Kg.

The toxicological properties of this blend have not been determined. The information for NPB is listed in Section III in addition to the following:

Chronic Toxicity: No information available
Mutagenicity: Not mutagenic by Ames Test
Carcinogenicity: Not known to be a carcinogen. Not included in NTP 7th Annual Report on Carcinogens.
 Not classified by IARC

12. Ecological Information

ODP = 0.012, GWP = 0.31, Half life in the atmosphere 11 days.

13. Disposal Considerations

Dispose of waste in compliance with all applicable government regulations.

14. Transport Information

Not Regulated

15. Regulatory Information

All the components of this product are listed on the TSCA inventory.
 The product contains 1,2 Epoxybutane which is subject to the reporting requirements of SARA Section 313, Title III.

16. Other Information

HMIS Rating:	Health	1	Reactivity	0	Flammability	0	Protective equipment	Sec. 8
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