

# MATERIAL SAFETY DATA SHEET

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 PROCESS MATERIALS  
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## SECTION 1 IDENTIFICATION

PRODUCT NAME: Polyboron Spin-On, PBF6MK-37, B200B
SYNONYMS:

## SECTION 2 HAZARDOUS INGREDIENTS

CHEMICAL NAME	WT%	C.A.S. NO.	OSHA -PEL	ACGIH TLV
Methoxyethanol	85-95	110-80-5	200ppm	3000mg/kg
Polyvinyl Alcohol	2-10	9002-89-5	400ppm	400ppm
Boron Polymer	1-10	prop.	ND	ND

## SECTION 3 PHYSICAL DATA

PHYSICAL STATE: Liquid	APPEARANCE: Clear
BOILING POINT: 124°C	MELTING POINT: Not Determined
SPECIFIC GRAVITY:(H2O=1):0.965	VAPOR PRESSURE:6.17 mmHg 20°C
EVAPORATION RATE: Not Determined	VAPOR DENSITY:2.62
SOLUBILITY IN WATER: Miscible	pH VALUE: Not Determined

## SECTION 4 FIRE AND EXPLOSION DATA

### EXPLOSION

FLASH POINT: 115°F	UPPER FLAMMABLE LIMIT:19.8%
AUTOIGNITION TEMP: 548°F	LOWER FLAMMABLE LIMIT:2.5%

### FIRE

EXTINGUISHER: Water, CO2, chemical or foam
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**SECTION 5 REACTIVITY INFORMATION**

STABILITY: Stable	HAZARDOUS POLYMERIZATION: None
HAZARDOUS DECOMPOSITION: Carbon monoxide and carbon dioxide may be released by fire	
CONDITIONS TO AVOID: Exposure to heat, sparks, or open flame	
INCOMPATIBILITY: Acid chlorides, acid anhydrides, and oxidizing agents	

**SECTION 6 HEALTH HAZARD INFORMATION**

ACUTE EXPOSURE EFFECTS: INHALATION may cause irritation to the upper respiratory tract
SKIN CONTACT: Causes skin irritation
EYE CONTACT: Causes strong irritation of the eyes
INGESTION: Can cause burning sensation in the throat
CHRONIC EXPOSURE EFFECTS: May cause reproductive disorders and damage to the liver and kidneys

**SECTION 7 FIRST AID MEASURES**

IF INHALED: Remove to fresh air; if not breathing, give artificial respiration; if breathing is difficult, give oxygen; seek medical attention immediately
IN CASE OF SKIN CONTACT: Wash affected area with plenty of water; seek medical attention if irritation persists
IN CASE OF EYE CONTACT: Flush eyes with plenty of water for at least 15 minutes; seek medical attention immediately
IF INGESTED: Give 2-4 glasses of water immediately and induce vomiting until the vomit fluid is clear; get medical attention as soon as possible

**SECTION 8 PREVENTIVE MEASURES**

PERSONAL PROTECTIVE EQUIPMENT:
RESPIRATORY: NIOSH-approved half mask chemical cartridge if fumes exceed safe levels
EYE: Chemical safety goggles and an eyewash fountain for emergencies
SKIN: Impervious rubber gloves and proper hygienic facilities
OTHER: Full face shield and impervious apron if splashing is likely
HANDLING AND STORAGE: Use in well ventilated areas; store in a cool, dry, well ventilated area

**SECTION 9 ACCIDENTAL RELEASE MEASURES**

STEPS IN THE EVENT OF A LEAK OR SPILL: Remove all sources of ignition and ventilate area; clean-up personnel require protective clothing and respiratory protection from flammable vapors; small spills may be absorbed on paper towels and evaporated in a fume
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hood; Larger spills and lot sizes can be collected as hazardous waste and suitably disposed according to EPA protocol.
<b>WASTE DISPOSAL METHODS:</b> can be atomized in a suitable RCRA approved combustion chamber, or absorbed with vermiculite, dry sand, earth, or similar material for disposal as hazardous waste in a RCRA approved facility.

**SECTION 10 PREPARATION INFORMATION**

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DATE PREPARED: 10/2/98
<b>REFERENCES:</b> American Industrial Hygiene Association(AIHA) hygienic Guide Series(Revised June 1978)  U.S. Dept. of Health and Human Services, NIOSH: Registry of Toxic Effects of Chemical Substances, 1985-86 Edition  Sax, N. Irving, Dangerous Properties of Industrial Materials, Van Nostrand Reinhold Co. , Inc., 1984

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All chemicals used in the manufacture of Filmtronics' products including proprietary components are on the Peas' TSCA inventory as of November, 1994.

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