

# MATERIAL SAFETY DATA SHEET

24 Hr. Emergency Phone No: Chem-Trec 1-800-424-9300

Manufacturer: ProChem, Inc.  
826 Roosevelt Road  
Rockford, IL 61109

Phone: (815) 398-1788  
Fax: (815) 398-1810  
E-Mail: Prochem1@aol.com

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## SECTION 1 Product Identification

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**CHEMICAL NAME:** BORON PHOSPHATE  
**CAS#:** 13308-51-5  
**FORMULA:** BPO<sub>4</sub>

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## SECTION 2 Composition and Information on Ingredients

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INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	13308-51-5	100	Not Determined	Not Determined

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## SECTION 3 Hazards Identification

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**EMERGENCY OVERVIEW:** Dust may cause irritation to the respiratory tract skin and eyes.

**PRIMARY ROUTES OF EXPOSURE:** Contact with skin and eyes. Inhalation of dust.

**EYE CONTACT:** Causes irritation of the eyes.

**SKIN CONTACT:** May cause mild irritation and redness.

**INHALATION:** May cause irritation to the respiratory tract.

**INGESTION:** No Data

**ACUTE HEALTH EFFECTS:** No Data

**CHRONIC HEALTH EFFECTS:** No Data

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## SECTION 4 First Aid Measures

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**EYE EXPOSURE:** Immediately flush the eyes with copious amounts of water (lukewarm if possible) .Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

**SKIN EXPOSURE:** Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation or redness persist.

**INHALATION:** Remove victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance. Give oxygen if deemed necessary. If not breathing administer CPR. Get emergency care immediately.

**INGESTION:** No specific data available. Seek medical assistance immediatley. Keep the victim calm.

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## **SECTION 5                      Firefighting Measures**

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**FLASH POINT:** not applicable

**AUTOIGNITION TEMPERATURE:** no data

**EXPLOSION LIMITS:** no data

**EXTINGUISHING MEDIUM:** None. Material is non-flammable.

**SPECIAL FIREFIGHTING PROCEDURES:** No special fire-fighting procedures required.

**HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:** None

**UNUSUAL FIRE OR EXPLOSTION HAZARDS:** None known

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## **SECTION 6                      Accidental Release Measures**

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**SPILL AND LEAK PROCEDURES:** Wear appropriate respiratory and protective equipment to avoid exposure with material, sweep up avoiding raising dust and place in a well-marked container for disposal.

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## **SECTION 7                      Handling and Storage**

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**HANDLING AND STORAGE:** Store in a tightly sealed container.

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## **SECTION 8                      Exposure Controls and Personal Protection**

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**EYE PROTECTION:** Always wear approved safety glasses w/side shields, or safety goggles, faceshield when handling a chemicals substance in the laboratory.

**SKIN PROTECTION:** Chemical-resistant.

**VENTILATION:** If possible, handle the material in a local exhaust hood.

**RESPIRATOR:** Where adequate ventilation is not available a dust respirator should be worn.

**ADDITIONAL PROTECTION:** Protection to avoid contact with skin, eyes, clothing.

Safety shower, eyewash in area. Use in a controlled environment. Do not eat, drink or smoke in area.

Irritant. Avoid contact with skin, eyes. Do not breathe dust. May cause irritation to nose, throat, upper respiratory tract.