

**ACROS**  
ORGANICS

## Material Safety Data Sheet

Boron Atomic Absorption Standard Solution 1 mg/ml B in Water

MSDS# 93672

## Section 1 - Chemical Product and Company Identification

MSDS Name: Boron Atomic Absorption Standard Solution 1 mg/ml B in Water  
 Catalog Numbers: AC195860000, AC195861000, AC195865000  
 Synonyms: None Known.

## Company Identification:

Acros Organics BVBA  
 Janssen Pharmaceuticaalaa 3a  
 2440 Geel, Belgium

## Company Identification: (USA)

Acros Organics  
 One Reagent Lane  
 Fair Lawn, NJ 07410

For information in the US, call:

800-ACROS-01

For information in Europe, call:

+32 14 57 52 11

Emergency Number, Europe:

+32 14 57 52 99

Emergency Number US:

201-796-7100

CHEMTREC Phone Number, US:

800-424-9300

CHEMTREC Phone Number, Europe:

703-527-3887

## Section 2 - Composition, Information on Ingredients

Hazard Symbols: None listed

Risk Phrases: None listed

## Section 3 - Hazards Identification

## EMERGENCY OVERVIEW

Caution! This is expected to be a low hazard for usual industrial handling. Good laboratory procedures are recommended when handling this compound. Target Organs: None known.

## Potential Health Effects

Eye: Low hazard for normal industrial handling.  
 Skin: Low hazard for usual industrial handling.  
 Ingestion: Low hazard for usual industrial handling.  
 Inhalation: Low hazard for usual industrial handling.  
 Chronic: No information found.

## Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.  
 Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.  
 Ingestion: Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Get medical aid if irritation or symptoms occur.  
 Inhalation: Remove from exposure and move to fresh air immediately. Get medical aid if cough or other symptoms appear.  
 Notes to Physician:

## Section 5 - Fire Fighting Measures

General As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by

Information: thermal decomposition or combustion. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.

Extinguishing Media: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

Autoignition Temperature: Not applicable.

Flash Point: Not applicable.

Explosion Limits: Lower: Not available

Explosion Limits: Upper: Not available

NFPA Rating: Not published

## Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

## Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use with adequate ventilation.

Storage: Store in a cool, dry place. Keep container closed when not in use.

## Section 8 - Exposure Controls, Personal Protection

OSHA Vacated PELs:

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## Section 9 - Physical and Chemical Properties

Physical State: Liquid

Color: clear colorless

Odor: None reported.

pH: Not available

Vapor Pressure: Not available

Vapor Density: &gt;1.0

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: &gt; 100 deg C (&gt; 212.00°F)

Freezing/Melting Point: Not available

Decomposition Temperature: Not available

Solubility in water: soluble in water

Specific Gravity/Density:

Molecular Formula: Solution

Molecular Weight: 0

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.  
Conditions to Avoid: Incompatible materials, excess heat, strong oxidants.  
Incompatibilities with Other Materials: Strong acids, strong bases, water reactive substances (e.g. acetic anhydride, alkyl aluminum chloride, calcium carbide, ethyl dichlorosilane).  
Hazardous Decomposition Products: Water reactive substances (e.g. acetic anhydride, alkyl aluminum chloride, calcium carbide, ethyl dichlorosilane), boron oxides.  
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:   
LD50/LC50:   
Carcinogenicity:   
Other: No information found.

Section 12 - Ecological Information

Not available

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT  
Shipping Name: Not regulated as a hazardous material  
Hazard Class:  
UN Number:  
Packing Group:  
Canada TDG  
Shipping Name: Not available  
Hazard Class:  
UN Number:  
Packing Group:

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

Canada

Canadian WHMIS Classifications: Not available

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

US Federal

TSCA

Section 16 - Other Information

MSDS Creation Date: 9/02/1997

Revision #6 Date 5/14/2008

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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