

Company: Optima Chemicals Group, LLC
200 Willacoochee Hwy.
Douglas, Georgia 31533
Telephone (912) 384-5101 FAX (912) 384-6330

Section I. Identification of Product.

Substance: Phenylboronic Acid

Trade Names/Synonyms: Phenyl Boronic Acid, Benzene Boronic Acid

CAS Number: 98-80-6

Molecular Formula: $C_6H_5B(OH)_2$ Molecular Weight: 122

DOT Shipping Name: PhenylBoric Acid , Non-Hazardous.

Section II. Hazardous Ingredients.

Name	%	OSHA-PEL	ACGIH-TLV
None		NA	NA

Section III. Physical Data and Characteristics

Appearance and Odor: White to off-white powder, essentially no odor.

Melting Point: 214-220° C

Boiling Point: Unknown

Flash Point: NA

Vapor Pressure: (mm Hg at): NA

Specific Gravity ($H_2O = 1$): NA pH: N/A

Water Solubility: 2.5%

Section IV. Fire and Explosion Data.

Fire Extinguishing Agents Recommended: Water Fog, CO₂, dry chemical powder, or appropriate foam.

Fire Extinguishing Agents to Avoid: None

Special Fire fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards: May emit irritating fumes under fire conditions.

Section V. Health Hazard Data and First Aid Procedures

Inhalation: Irritating to respiratory tract. Remove individual to fresh air. If breathing is difficult administer oxygen, and seek medical attention.

Ingestion: May be highly irritating to the gastrointestinal tract. Seek medical attention.

Skin: Can produce irritation. Immediately flush skin with copious amounts of water. If redness or rash persist, seek medical attention.

Eyes: Will cause irritation and possible damage to the eyes. Immediately flush eyes with copious amounts of water for at least 15 minutes. Seek medical attention.

Unusual Chronic Toxicity: None known.

Toxicity Information: Oral Rat LD₅₀ - 740 MG/KG
 IPR-MUS LD₅₀ - 500 MG/KG
 INV-MUS LD₅₀ - 320 MG/KG

Section VI. Reactivity Data.

Stability: stable under normal handling conditions.

Incompatibility: Avoid strong acids.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: May decompose and generate Benzene byproducts.

Conditions to Avoid: Acids, Strong oxidizing agents.

Section V11. Environmental

Large Spills: Contain the spill, wet the material with a light water spray, and place into appropriate containers for disposal.

Small Spills: Contain the spill, wet the material with a light water spray, and place into appropriate containers for disposal.

The material is Non-Hazardous, however, disposal should be done only through an approved waste disposal facility.

SARA Title III Reporting Requirements:

Section 311/312 Inventory Reporting Hazard Categories: Acute

Section 313 Release Reporting: Reporting not required.

Reportable Quantity: Not Applicable

Section VIII. Special Protective Information.

Respiratory Protection: Wear approved respiratory protection to protect against inhalation of dust particles.

Eyes and Face: Chemical safety goggles, cleaned daily.

Hands, Arms, and Body: Rubber gloves and apron or protective suit to avoid skin contact.

Other Clothing and Equipment: NA

Section IX. Special Precautions.

Precautions to be taken in handling and storing: Protect against physical damage. Store in a cool, dry, well ventilated place. Keep containers closed.

Normal Handling: Open carefully and avoid generation of dust particles.

Observe all Federal, State and local regulations when storing, processing, or otherwise using this product.

Other Information: NA

Creation Date: 1/29/98

This information is believed to be accurate and represents the best information currently available to Optima Chemicals, Incorporated. However, we make no warranty of merchantability, express or implied, with respect to such information and assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.