



1 Product and Company Information:

Product name: CdSe/ZnS Core/shell Quantum Dots with Phenylboronic Acid in Water

Catalog Number(s): QBO530-QBO620

Revision Date: July 14, 2011

Manufacturer/Supplier:

Ocean NanoTech LLC

2143 Worth Lane

Springdale Arkansas 72764

Telephone: 479-751-5500

Web Site: www.oceannanotech.com

2 Composition/Information on Ingredients:

CAS Name/Number: CdSe/1306-24-7; ZnS/1314-98-3; Water/7732-18-5; aminophenylboronic acid/863753-30-4

3 Hazards identification

Emergency Overview:

OSHA Hazards: Harmful by ingestion.

GHS Classification: Acute toxicity, Oral (Category 4)

HMIS Classification

Health hazard: 1

Flammability: 0

Physical hazards: 0

NFPA Rating

Health hazard: 1

Fire: 0

Reactivity Hazard: 0

4 First aid measures

Skin Contact: Wash the skin thoroughly with soap and water and seek medical advice.

Eye contact: If eye contact occurs, rinse eye thoroughly and seek medical advice

Inhalation: If inhaled, supply fresh air or respirator and seek medical advice.

Ingestion: If swallowed, seek medical attention immediately

5 Fire fighting measures

Extinguishing Media: N/A; Product is not flammable

6 Accidental release measures

Personal Precautions: Always use proper protective equipment.

Environmental Precautions: Do not allow material to reach drains or ground water.

Cleanup of small spills: Use appropriate material to absorb liquid.

Disposal: Collect and dispose of all waste in an appropriate container.

7 Handling and storage

Handling: Follow safe laboratory practices. The product should only be used by or closely supervised by an individual trained to handle potentially hazardous materials.

Storage: Store at 4-24 °C in a tightly sealed container. Store in same type of container (glass/plastic) as shipped. Do not freeze.

8 Exposure controls and personal protection

Engineering Controls: Use fume hood with proper ventilation.

Personal Protection: Gloves, lab coat, and goggles.

9 Physical and chemical properties:

Form: Liquid

Color: Green to dark red

pH: Not disclosed

Specific Gravity: Not disclosed

Boiling point: Water (100 C) 212 F

Melting point: Not disclosed

Freezing point: Water (0 C) 32 F

Vapor Pressure: Not disclosed

Odor: Not disclosed

Solubility in Water: Soluble

10 Stability and reactivity

Stability: Stable under recommended storage conditions.

Conditions to avoid: Not determined

Thermal decomposition: Not determined

Materials to avoid: Not determined

11 Toxicological information

RTECS Number: Not disclosed

Toxicity: Not disclosed

Health Hazards: Refer to section 4

Carcinogenicity: No information is available

12 Ecological information:

No data available. See section 6

13 Disposal considerations

Dispose of in accordance with local, state, or national regulations.

14 Transport information

U.S. DOT Classification: Not a hazardous material for land or air transport.

Identification Number: Not applicable

Packing Group: Not applicable

Proper Shipping Name: Not applicable

15 Regulations

OSHA Hazards: Harmful by ingestion.

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard

Pennsylvania Right To Know Components

2-Aminophenylboronic acid hydrochloride	CAS-No.
	863753-30-4

New Jersey Right To Know Components

2-Aminophenylboronic acid hydrochloride	CAS-No.
	863753-30-4

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16 Other information:

Disclaimer: For R&D only. Not intended for food, drug, household, agricultural or cosmetic use.

The above information is believed to be correct. Ocean NanoTech LLC shall not be held liable for any damage resulting from handling or contact with the above product.