



1 Product and Company Information:

Product name: CdS_xSe_{1-x}/ZnS Core/Shell Quantum Dot Powder

Catalog Number(s): QPP450-QPP665

Revision Date: April 6, 2012

Manufacturer/Supplier:

Ocean NanoTech LLC

2143 Worth Lane

Springdale, AR 72764

Telephone: 479-751-5500 Fax: 479-751-5502

Web Site: www.oceannanotech.com

2 Composition/Information on Ingredients:

CAS Name/Number: CdSe/1306-24-7; S/7704-34-9; ZnS/1314-98-3

3 Hazards identification

Emergency Overview: The health hazards of this product have not been fully tested and should be used with caution.

Exposure to skin, eyes, and respiratory tract could cause irritation.

POTENTIAL HEALTH EFFECTS

Inhalation: Not available

Skin Contact: Not available

Ingestion: Not available

Eye Contact: Not available

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: Powder

Color: Yellow to dark red

Odor: Not disclosed

Solubility in Water: Not soluble

Specific Gravity: Not disclosed

pH: Not disclosed

Melting point: Not disclosed

Boiling point: Not applicable

Freezing point: Not applicable

Vapor Pressure: Not disclosed

10 Stability and reactivity

Stability: The product is stable

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

No data available for TSCA, EEC EINECS number, EEC risk statements, or other regulations.

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.