



SAFETY DATA SHEET

ProChemOnline.com



SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Cadmium shot**

PRODUCT NUMBER: 1315

CAS NUMBER: 7440-43-9

MANUFACTURER:

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SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

Danger

Hazard Statements

H301	Toxic if swallowed.
H330	Fatal if inhaled.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H361	Suspected of damaging fertility or the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary Phrases

P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P284	Wear respiratory protection.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 + P330	IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth.

HMIS CLASSIFICATION:

Health: 4 Chronic: * Fire: 0 Reactivity Hazard: 0

NFPA RATING:

Health: 4 Flammability: 0 Reactivity Hazard: 0

EYE CONTACT: May cause irritation or pain of the eyes.

SKIN CONTACT: May cause irritation of the skin.

SECTION 2 HAZARDS IDENTIFICATION (Cont.)

INHALATION: Can cause cough, headache, shortness of breath, chest pains, and death.

INGESTION: May lead to sudden nausea, vomiting, bloody diarrhea, weakness, convulsions, and death.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: Cd

Molecular Weight: 112.41

CHEMICAL NAME	CAS#	%
Cadmium Shot	7440-43-9	100

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 15 minutes. 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 plenty of water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

INHALATION: Remove to fresh air and keep at rest. 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.

INGESTION: Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not available

AUTO IGNITION TEMPERATURE: Not available

EXPLOSION LIMITS: Not available

EXTINGUISHING MEDIUM: Use special powder or metal fires. Do not use water.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Cadmium oxide

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear all appropriate equipment when using this material. Ensure adequate ventilation. Avoid dust formation. Avoid breathing dust.

ENVIRONMENTAL PRECAUTIONS: Prevent spillage from entering drains or allowing to be released into the environment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Sweep up and place in suitable container for proper disposal.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear appropriate personal protective equipment. Ensure adequate ventilation. Avoid contact with skin and eyes. Do not ingest. If swallowed then seek immediate medical assistance.

CONDITIONS FOR SAFE STORAGE: Store in cool, dry, and well-ventilated area.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS:

Component	Exposure Limits	Basis	Entity
Cadmium Shot	0.01 mg/m ³	TWA	OSHA
	0.2 mg/m ³	TWA	OSHA
	0.3 mg/m ³	CEIL	OSHA
	0.6 mg/m ³	CEIL	OSHA

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION (Cont.)

	0.01 mg/m ³	TWA	TLV
	0.002 mg/m ³	TWA	TLV

TLV: Threshold Limit Value over 8 hours of work.

OSHA: Occupational Safety and Health Administration

EYE PROTECTION: Wear chemical safety glasses or goggles and face shield.

SKIN PROTECTION: Wear nitrile or rubber gloves, and a complete suit protecting against chemicals.

VENTILATION: Provide local exhaust, preferably mechanical.

RESPIRATOR: Use an approved respirator.

ADDITIONAL PROTECTION: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: Silver solid

ODOR: Odorless

MOLECULAR WEIGHT: 112.41

BOILING POINT: 765° C

MELTING POINT: 321° C

SPECIFIC GRAVITY: 8.65

VAPOR DENSITY: No data available

SOLUBILITY IN WATER: No data available

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: No data available

INCOMPATIBILITY: Oxidizing agents and acids

DECOMPOSITION PRODUCTS: Cadmium oxide

SECTION 11 TOXICOLOGICAL DATA

ACUTE TOXICITY: LD50 Oral – rat – 225 mg/kg. LC50 Inhalation – rat – 30.0 h – 25.0 mg/m³.

MUTAGENIC EFFECTS: Not available

TETRATOGENIC EFFECTS: Not available

CHRONIC TOXICITY: Not available

RTECS: No data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 ECOLOGICAL DATA

No information available

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations.

SECTION 14 TRANSPORTATION DATA

Not a dangerous good.

SECTION 15 REGULATORY INFORMATION

SARA 302/304: Not Listed

SARA 311/312: Acute Health Hazard, Chronic Health Hazard

SARA 313: Cadmium Shot

CALIFORNIA PROP. 65: Not Listed

MASSACHUSETTS RIGHT TO KNOW COMPONENTS: Cadmium Shot

NEW JERSEY RIGHT TO KNOW COMPONENTS: Cadmium Shot

PENNSYLVANIA RIGHT TO KNOW COMPONENTS: Cadmium Shot

ILLINOIS RIGHT TO KNOW COMPONENTS: Cadmium Shot

RHODE ISLAND RIGHT TO KNOW COMPONENTS: Cadmium Shot

SECTION 16 OTHER INFORMATION

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, ProChem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

DATE REVISED: 02/22

SDS DEPT.