



SAFETY DATA SHEET

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SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Lead (II) Thiocyanate**
PRODUCT NUMBER: 2302
CAS NUMBER: 592-87-0
SYNONYMS: Lead dithiocyanate, Lead sulfocyanate

MANUFACTURER:

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SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

Danger

Hazard Statements

H3302+H312+H332	Harmful if swallowed, in contact with skin, or if inhaled.
H331	Toxic if inhaled.
H360	May damage fertility or the unborn child.
H373	May cause damage to the reproductive system, the blood, the brain, and the endocrine system through prolonged or repeated exposure. Route of exposure: Oral and Inhalative.

Precautionary Phrases

P261	Avoid breathing dust/fume/gas/vapors/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

HMIS CLASSIFICATION:

Health: 2 Chronic: * Fire: 0 Reactivity Hazard: 0

NFPA RATING:

Health: 2 Flammability: 0 Reactivity Hazard: 0

EYE CONTACT: Dust causes irritation of eyes.

SKIN CONTACT: Causes irritation of the skin.

INHALATION: Irritating to the mucous membranes and upper respiratory tract.

INGESTION: Harmful if swallowed.

CHRONIC HEALTH EFFECTS: Possible teratogen and carcinogen. May cause congenital malformation in the fetus.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: Pb(SCN)₂

Molecular Weight: 323.35

CHEMICAL NAME	CAS#	%
Lead (II) Thiocyanate	592-87-0	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: Do not induce vomiting. Seek medical assistance immediately.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Product is not flammable

AUTO IGNITION TEMPERATURE: Not available

EXPLOSION LIMITS: Not available

EXTINGUISHING MEDIUM: Use fire fighting measures that suit the surrounding fire.

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

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Sulfur oxides, nitrogen oxides, carbon oxides, hydrogen cyanide, and lead oxide.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear all appropriate equipment when using this material. Ensure adequate ventilation. Avoid dust formation and 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. Do not flush with water.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear appropriate personal protective equipment. Ensure adequate ventilation. Avoid contact with skin and eyes.

CONDITIONS FOR SAFE STORAGE: Store in cool, dry, and well-ventilated area. Store away from oxidizing agents, water, and moisture. Do not store with acids.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS:

Component	Exposure Limits	Basis	Entity
Lead (II) Thiocyanate	0.05 mg/m ³	TWA	ACGIH
	0.05 mg/m ³	TWA	NIOSH

TWA: Time Weighted Average over 8 hours of work.

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: White to yellow powder

ODOR: None

MOLECULAR WEIGHT: 323.35

BOILING POINT: No data available

MELTING POINT: 190° C

SPECIFIC GRAVITY: 3.82 gm/ml

VAPOR DENSITY: No data available

SOLUBILITY: Soluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: No data available

INCOMPATIBILITY: Acids, nitrates, nitrites, and strong oxidizing agents.

DECOMPOSITION PRODUCTS: Sulfur oxides, nitrogen oxides, carbon oxides, hydrogen cyanide, and lead oxide.

SECTION 11 TOXICOLOGICAL DATA

ACUTE TOXICITY: No data available

CARCINOGENIC EFFECTS: Possible human carcinogen

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

DOT: UN2291

Lead compounds, soluble, n.o.s.

(Lead (II) Thiocyanate)

CLASS 6.1

PG III

IATA: UN2291

Lead compound, soluble, n.o.s.

(Lead (II) Thiocyanate)

CLASS 6.1

PG III

Marine Pollutant: No

SECTION 15 REGULATORY INFORMATION

SARA 302/304: Not Listed

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

SARA (TITLE 313): Not listed

SECTION 15 REGULATORY INFORMATION (Cont.)

CALIFORNIA PROP. 65: Lead (II) Thiocyanate

MASSACHUSETTS RIGHT TO KNOW COMPONENTS: Lead (II) Thiocyanate

NEW JERSEY RIGHT TO KNOW COMPONENTS: Lead (II) Thiocyanate

PENNSYLVANIA RIGHT TO KNOW COMPONENTS: Lead (II) Thiocyanate

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 PREPARED: 03/15

SDS DEPT.