SECTION 1  PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: Strontium Sulfide
PRODUCT NUMBER: 3382
CAS NUMBER: 1314-96-1
MANUFACTURER:
Prochem, Inc.
826 Roosevelt Road
Rockford, IL  61109
PHONE: 815-398-1788
FAX: 815-398-1810
TOLL FREE: 800-795-8788

IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

SECTION 2  HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram

Signal Word

Danger

Hazard Statements

H315  Causes skin irritation.
H319  Causes serious eye irritation.
H335  May cause respiratory irritation.

Precautionary Phrases

P261  Avoid breathing dust/fume/gas/mist/vapors/spray.
P280  Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338  IF IN EYES: Rinse cautiously with waster for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P304+P340  IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P501  Dispose of contents/container in accordance with local/regional/national/international regulations.

HMIS CLASSIFICATION:
Health: 2  Fire: 1  Reactivity Hazard: 1

NFPA RATING:
Health: 2  Flammability: 1  Reactivity Hazard: 1

EYE CONTACT: Causes moderate to severe irritation of the eyes.
SKIN CONTACT: Contact with skin will produce severe irritation with redness and painful inflammation.
INHALATION: Inhalation of dust will lead to severe irritation of the respiratory tract. Hydrogen sulfide gas, if formed, is poisonous.
INGESTION: Strong toxic base that will cause severe burns to mucous membranes and release toxic hydrogen sulfide.
SECTION 3  COMPOSITION / INFORMATION ON INGREDIENTS

Formula: SrS

Molecular Weight: 119.68

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<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS#</th>
<th>%</th>
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<tr>
<td>Strontium sulfide</td>
<td>1314-96-1</td>
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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 water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

**INHALATION:** Remove to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.

**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:** 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, strontium oxides, and hydrogen sulfide

SECTION 6  ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Wear all appropriate equipment when using this material. Ensure adequate ventilation. Keep unprotected persons away.

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

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** In case of spill, cover the material with vermiculite or sodium carbonate. Sweep up and transfer to a fume hood. Dispose accordingly.

SECTION 7  HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Wear appropriate personal protective equipment. Ensure adequate ventilation. Handle under dry protective gas. Keep container tightly closed.

**CONDITIONS FOR SAFE STORAGE:** Store in cool, dry, and well-ventilated area. Store away from water, moisture, and oxidizing agents. Store under dry inert gas. Hygroscopic. Protect from humidity and water.

SECTION 8  EXPOSURE CONTROLS AND PERSONAL PROTECTION

**EXPOSURE CONTROLS:** Contains no substances with occupational exposure limit values.

**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: Gray powder
ODOR: Like rotten eggs
MOLECULAR WEIGHT: 119.68
BOILING POINT: Not available
MELTING POINT: >2000°C
SPECIFIC GRAVITY: 3.7 gm/ml
SOLUBILITY: Insoluble

SECTION 10  STABILITY AND REACTIVITY

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: Contact with air, water, and acids. Reaction with acids can lead to formation of hydrogen sulfide fumes.
INCOMPATIBILITY: Strong oxidizing agents, active metals, and mineral acids.
DECOMPOSITION PRODUCTS: Sulfur oxides, strontium oxides, and hydrogen sulfide

SECTION 11  TOXICOLOGICAL DATA

ACUTE TOXICITY: Not available
CARCINOGENIC EFFECTS: No components of this product present at levels greater than or equal to 0.1% is identified a carcinogen.
MUTAGENIC EFFECTS: Not available
TETRATOGENIC EFFECTS: Not available

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

SECTION 12  ECOLOGICAL DATA

No data 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

TSCA: Listed in the TSCA inventory
SARA 302/304: Not Listed
SARA 311/312: Acute Health Hazard
SARA (TITLE 313): Not Listed
CALIFORNIA PROP. 65: Not Listed

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: 10/14