



SAFETY DATA SHEET

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SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Strontium Nitrate, anhydrous**

PRODUCT NUMBER: 3371

CAS NUMBER: 10042-76-9

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

Warning

Hazard Statements

H272	May intensify fire; oxidizer
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Precautionary Phrases

P220	Keep/store away from clothing/combustible material
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts if present and easy to do so. Continue rinsing

HMIS CLASSIFICATION:

Health: 2 Fire: 0 Reactivity Hazard: 1 Personal: E

NFPA RATING:

Health: 2 Flammability: 0 Reactivity Hazard: 1 Specific Hazard: OX

EYE CONTACT: May causes eye irritation

SKIN CONTACT: May be harmful if absorbed through the skin. Causes skin irritation

INHALATION: May be harmful if inhaled. Causes respiratory tract irritation.

INGESTION: Harmful if swallowed

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $\text{Sr}(\text{NO}_3)_2$

Molecular Weight: 211.63

CHEMICAL NAME	CAS#	%
Strontium Nitrate	10042-76-9	>99

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: In case of eye contact, rinse with plenty of water and seek medical attention if necessary.

SKIN EXPOSURE: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention if necessary.

INHALATION: Remove casualty 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: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention if necessary.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Product is not flammable

AUTO IGNITION TEMPERATURE: Not available

EXPLOSION LIMITS: Not available

EXTINGUISHING MEDIUM: Use appropriate media for adjacent fire. Cool containers with 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: Strontium oxides and nitrogen oxides

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear all appropriate equipment when using this material. Use adequate ventilation. Wash thoroughly after using. Keep container closed when not in use.

ENVIRONMENTAL PRECAUTIONS: Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Pick up and arrange disposal without creating dust. Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear appropriate personal protective equipment. Ensure adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid breathing dusts.

CONDITIONS FOR SAFE STORAGE: Store in cool, dry, and well-ventilated area. Keep away from incompatible materials.

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 with a face shield for splash protection

SKIN PROTECTION: Wear nitrile or rubber gloves, apron, or lab coat.

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 crystals. Solid
MOLECULAR WEIGHT: 211.63
BOILING POINT: 845° C (dec.)
MELTING POINT: 570°C
SPECIFIC GRAVITY: 2.986 gm/ml
VAPOR DENSITY: No data available
SOLUBILITY: Soluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: Heat and moisture
INCOMPATIBILITY: Strong acids and strong reducing agents.
DECOMPOSITION PRODUCTS: Strontium oxides and nitrogen oxides.

SECTION 11 TOXICOLOGICAL DATA

ACUTE TOXICITY: LD50 Oral – rat – 1,892 mg/kg. LD50 Oral – mouse – 1,028 mg/kg
CARCINOGENIC EFFECTS: Not considered to be a carcinogen
MUTAGENIC EFFECTS: Not available
TETRATOGENIC EFFECTS: Not available
RTECS: WK9800000

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

SECTION 12 ECOLOGICAL DATA

AQUATIC VERTEBRATE: Not available
AQUATIC INVERTEBRATE: Not available
TERRESTRIAL: Not available

SECTION 13 DISPOSAL CONSIDERATIONS

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

SECTION 14 TRANSPORTATION DATA

UN1507
Strontium Nitrate
Class 5.1
PG III

Marine Pollutant: No

SECTION 15 REGULATORY INFORMATION

TSCA: Listed in the TSCA inventory
DSCL (EEC): Listed on the DSCL inventory

SECTION 15 REGULATORY INFORMATION (Cont.)

SARA 302/304: Not Listed

SARA 311/312: Strontium Nitrate

SARA (TITLE 313): Strontium Nitrate

CALIFORNIA PROP. 65: Not Listed

WHMIS CANADA: CLASS C: Oxidizing material

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.

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