
Material Safety Data Sheet

Product Name	<u>Strontium Nitrate</u>
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Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identification:**Product Description:** Strontium Nitrate**Cat No. :** 11743**Synonyms:** No Information Available**CAS-No:** 10042-76-9**EC-No.:** 233-131-9**Molecular Formula:** Sr(NO₃)₂**REACH Registration No:** Not Applicable**1.2. Relevant identified uses of the substance or mixture and uses advised against:****Recommended Use:** Laboratory chemicals, Not for food, drug, pesticide or biocidal product use**1.3. Details of the supplier of the safety data sheet:**

- **Company** **Finar Limited**
184-186/P, Chacharwadi Vasna,
Sarkhej-Bavla Highway,
Ta.: Sanand, Dist.: Ahmedabad,
Email: info@finarchemicals.com
Web: www.finarchemicals.com
- **E-Mail Address** safety@finarchemicals.com; info@finarchemicals.com

1.4. Emergency Telephone Number:

- For Emergency contact on: +91 - 2717 - 616 717,
- Registered office No: +91 - 79 – 40040085

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SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008

Oxidizing solids (Category 3), H272

Acute toxicity, Oral (Category 4), H302

Serious eye damage (Category 1), H318

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2. Label Elements:

Labeling according Regulation (EC) No 1272/2008

Pictogram



Signal word

Danger

Hazard statement(s)

H272

May intensify fire; oxidizer.

H302

Harmful if swallowed.

H318

Causes serious eye damage.

Precautionary statement(s)

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P220

Keep/Store away from clothing/ combustible materials.

P221

Take any precaution to avoid mixing with combustibles.

P280

Wear eye protection/ face protection.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P370 + P378

In case of fire: Use dry powder or dry sand to extinguish.

Supplemental Hazard

Statements

: None

2.3. Other Hazards:

This substance/mixture contains no components considered to be either persistent, bioaccumulate and toxic (PBT), or very persistent and very bioaccumulate (vPvB) at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances: Strontium Nitrate

CAS-No: 10042-76-9

3.2. Mixtures:

Component	CAS-No	EC-No.	Weight %
Strontium Nitrate	10042-76-9	233-131-9	<= 100 %

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

- **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

- **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

- **In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

- **In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

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- **If swallowed**
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
- 4.2. Most important symptoms and effects, both acute and delayed:**
The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.
- 4.3. Indication of any immediate medical attention and special treatment needed:**
No Data Available

SECTION 5: FIREFIGHTING MEASURES

- 5.1. Extinguishing media:**
Suitable Extinguishing Media- Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- 5.2. Special hazards arising from the substance or mixture:**
Nitrogen oxides (NOx), Strontium oxides
- 5.3. Advice for firefighters:**
Wear Self-contained breathing apparatus for firefighting if necessary.
- 5.4 Further Information:**
In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Use water Spray to cool unopened containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment and emergency procedures:**
Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas.
Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
For personal protection see section 8.
- 6.2. Environmental precautions:**
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
- 6.3. Methods and material for containment and cleaning up:**
Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

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Keep in suitable, closed containers for disposal.

6.4. Reference to other sections:

For disposal see Sections 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition

- No smoking. Keep away from heat and sources of ignition.

For precautions see section 2.2.

7.2. Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510): Oxidizing hazardous materials

7.3. Specific end use(s):

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Components with workplace control parameters

8.2. Exposure Controls:

- **Appropriate Engineering Controls:-**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

- **Personal Protective Equipment:**

- **Eye & Face Protection-**

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

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- **Skin Protection:** -

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Camatril® (KCL 740 / Aldrich Z677442, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® P (KCL 743 / Aldrich Z677388, Size M)

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

- **Body Protection** –

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

- **Respiratory Protection-**

Where risk assessment shows air-purifying respirators are appropriate use (EN 143) respirator cartridges as a backup to engineering controls. If the full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

- **Environmental Exposure Controls-**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties:**

- **Appearance:** - White
- **Physical State:** - Solid Crystalline
- **Odor:** - No data available
- **pH:** - 5.0 to 7.0 at 25 °C neutral
- **Melting Point:** - Melting point/range: 570 °C - lit
- **Critical Temperature:** - No data available
- **Vapor Pressure:** - No data available
- **Vapor Density:** - No data available
- **Volatility:** - No data available
- **Bulk Density:** 2.98 g/cm³ @ 20C
- **Odor Threshold:-** No data available
- **Water/Oil Dist. Co eff.:** - No data available
- **Ionicity (in Water):** No data available
- **Boiling Point/Range:** - No data available
- **Flash Point:** No data available
- **Specific Gravity / Density:** - No data available
- **Solubility:** - No data available

9.2. Other information:

Molecular Formula: - Sr(NO₃)₂

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:- No data available

10.2. Chemical stability: - Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions:- No data available

10.4. Conditions to avoid:- No data available

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10.5. Incompatible materials:- Strong reducing agents, Strong acids

10.6. Hazardous decomposition products:-

Hazardous decomposition products formed under fire conditions. - Nitrogen oxides (NO_x),

Strontium oxides

Other decomposition products - No data available

In the event of fire: see section 5

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - 1,892 mg/kg (strontium nitrate)

LD50 Oral - Mouse - 1,028 mg/kg (strontium nitrate)

Skin corrosion/irritation

Serious eye damage/eye irritation

No data available (strontium nitrate)

Respiratory or skin sensitization

No data available (strontium nitrate)

Germ cell mutagenicity

No data available (strontium nitrate)

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No data available (strontium nitrate)

Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation. (strontium nitrate)

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

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SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

No data available

12.2 Persistence and degradability:

No data available

12.3 Bioaccumulate potential:

No data available

12.4 Mobility in soil:

No data available (strontium nitrate)

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulate and toxic (PBT), or very persistent and very bioaccumulate (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber b highly flammable.

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

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SECTION 14: Transport information

14.1 UN number			
ADR/RID: 1507	IMDG: 1507	IATA: 1507	
14.2 UN proper shipping name			
ADR/RID: Strontium nitrate	IMDG: Strontium nitrate	IATA: Strontium nitrate	
14.3 Transport hazard class(es)			
ADR/RID: - 5.1	IMDG: - 5.1	IATA: -5.1	
14.3 Packaging group			
ADR/RID: - III	IMDG: - III	IATA: - III	
14.5 Environmental hazards			
ADR/RID: no	IMDG Marine pollutant: no	IATA: no	
14.6 Special precautions for user			
No data available			

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

H272	May intensify fire; oxidizer.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

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References: Not available

Created: 16/10/2019

Disclaimer:

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