

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)



STRONTIUM SULPHATE

Version: 6
Revision date: 09/10/2019

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING.

1.1 Product identifier.

| | |
|----------------|--|
| Product Name: | STRONTIUM SULPHATE |
| Chemical Name: | strontium sulphate |
| CAS No: | 7759-02-6 |
| EC No: | 231-850-2 |
| REACH No: | A registration number is nor available for this substance, the annual tonnage does not require a registration. |

1.2 Relevant identified uses of the substance and uses advised against.

Not available.

1.3 Details of the supplier of the safety data sheet.

| | |
|------------|--|
| Company: | ALDEBARÁN SISTEMAS SL |
| Address: | C/Jerónimo Zurita, 10, entlo izda, 50001 |
| City: | Zaragoza |
| Province: | Zaragoza |
| Telephone: | 0034976796134 |
| E-mail: | aldebaran@aldebaransistemas.com |

1.4 Emergency telephone number: 0034915620420 (Available 24 hours)

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the substance.

This substance does not present any physical danger. Consult the recommendations regarding the other products present in the room.

This substance does not present a health hazard apart from the occupational exposure limit values (see sections 3 and 8).

This substance is not dangerous to the environment. No harm to the environment is known or foreseeable under normal conditions of use.

2.2 Label elements.

In accordance with Regulation (EC) No. 1272/2008 and its adaptations.

No labeling elements are required for this substance.

2.3 Other hazards.

In use, it can form a flammable / explosive dust-air mixture.

The substance does not meet the criteria for PBT or vPvB according to Annex XIII of the REACH Regulation (EC) No 1907/2006.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

| | |
|----------------|--|
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3.2 Mixtures.
Not Applicable.

SECTION 4: FIRST AID MEASURES.

In general, if you have doubts or if symptoms persist, always call a doctor. NEVER give anything to an unconscious person.

4.1 Description of first aid measures.

Inhalation.

If inhaled, get fresh air and seek medical attention. If breathing is irregular or stopped, practice breathing. Artificial and call a doctor. Do not absorb anything through your mouth.

Eye contact.

Wash well with fresh, clean water for 15 minutes keeping the eyelids separate. If there is pain, redness or visual discomfort, consult an ophthalmologist.

Skin contact.

Beware of the product that may exist between the skin and the clothing, watch, shoes, ...

Ingestion.

Consult a doctor showing him the label.

4.2 Most important symptoms and effects, both acute and delayed.

Not data available

4.3 Indication of any immediate medical attention and special treatment needed.

Not data available

SECTION 5: FIREFIGHTING MEASURES.

Non flammable.

5.1 Extinguishing media.

Suitable extinguishing media:

Water

5.2 Special hazards arising from the substance.

A fire will often produce thick black smoke. Exposure to decomposition products can be hazardous to health. Do not breathe smoke.

5.3 Advice for firefighters.

Not data available

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

See the protective measures listed in sections 7 and 8.

Stakeholders will be equipped with the appropriate personal protective equipment (see section 8).

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6.2 Environmental precautions.

Avoid entering sewers or streams.

6.3 Methods and material for containment and cleaning up.

Recover the product by mechanical means (sweep / vacuum); do not generate dust.

6.4 Reference to other sections.

Not data available

SECTION 7: HANDLING AND STORAGE.

The requirements for storage rooms are applicable to the workshops where the substance is handled.

7.1 Precautions for safe handling.

Wash your hands after each use.

Fire prevention:

Prohibit access to unauthorized persons.

Equipment and recommended procedures:

For personal protection, see section 8.

Observe the precautions indicated on the label, as well as the labor protection regulations.

Prohibited equipment and procedures:

Smoking, eating and drinking are prohibited in the facilities where the substance is used.

7.2 Conditions for safe storage, including any incompatibilities.

No data available.

Packing: Always keep in the same material packaging as the original.

7.3 Specific end use(s).

Consult the supplier.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does NOT contain substances with Biological Limit Values.

8.2 Exposure controls.

Individual protection measures, such as personal protective equipment.

Wear personal protective equipment that is clean and properly maintained.

Store personal protective equipment in a clean place away from the work area.

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before reuse. Provide adequate ventilation, especially in closed areas.

Eye / face protection.

Avoid contact with eyes.

Before handling powders or dust emissions, it is necessary to wear protective goggles in accordance with the NF EN166 standard.

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Protection of the hands

Wear suitable protective gloves in case of prolonged or repeated contact with the skin.

Protection of the body

The staff will wear work clothes that are washed regularly.
After contact with the product, all dirty parts of the body should be washed.

Respiratory protection.

Avoid inhaling dust.
Use a single-use dust mask filter in accordance with NF EN149.

Thermal risks

No data available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Appearance: Powder
Colour: Blanco
Odour: Inodoro
Odour threshold: N.A./N.A.
pH: N.A./N.A.
Melting point: 1065 °C
Boiling Point: N.A./N.A.
Flash point: N.A./N.A.
Evaporation rate: N.A./N.A.
Inflammability (solid, gas): N.A./N.A.
Lower Explosive Limit: N.A./N.A.
Upper Explosive Limit: N.A./N.A.
Vapour pressure: N.A./N.A.
Vapour density: N.A./N.A.
Relative density: 3,96
Solubility: N.A./N.A.
Liposolubility: N.A./N.A.
Hydrosolubility: Soluble
Partition coefficient (n-octanol/water): N.A./N.A.
Auto-ignition temperature: N.A./N.A.
Decomposition temperature: N.A./N.A.
Viscosity: N.A./N.A.
Explosive properties: N.A./N.A.
Oxidizing properties: N.A./N.A.
N.A./N.A.= Not Available/Not Applicable due to the nature of the product

9.2 Other information.

Dropping point: N.A./N.A.
Blink: N.A./N.A.
Kinematic viscosity: N.A./N.A.
N.A./N.A.= Not Available/Not Applicable due to the nature of the product

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

No data available.

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10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions.

No data available.

10.4 Conditions to avoid.

Dust formation, dust can form an explosive mixture with air.

10.5 Incompatible materials.

10.6 Hazardous decomposition products.

The thermal decomposition of the product generates carbon monoxide, carbon dioxide and strontium oxide..

SECTION 11: TOXICOLOGICAL INFORMATION.

11.1 Information on toxicological effects.

There are no tested data available on the product.

a) acute toxicity;
Not conclusive data for classification.

b) skin corrosion/irritation;
Not conclusive data for classification.

c) serious eye damage/irritation;
Not conclusive data for classification.

d) respiratory or skin sensitisation;
Not conclusive data for classification.

e) germ cell mutagenicity;
Not conclusive data for classification.

f) carcinogenicity;
Not conclusive data for classification.

g) reproductive toxicity;
Not conclusive data for classification.

h) STOT-single exposure;
Not conclusive data for classification.

i) STOT-repeated exposure;
Not conclusive data for classification.

j) aspiration hazard;
Not conclusive data for classification.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

No information is available regarding the ecotoxicity.

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12.2 Persistence and degradability.

No information is available regarding the biodegradability.
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12.3 Bioaccumulative potential.

No information is available regarding the bioaccumulation.

12.4 Mobility in soil.

No information is available about the mobility in soil.
The product must not be allowed to go into sewers or waterways.
Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

12.6 Other adverse effects.

No information is available about other adverse effects for the environment.

SECTION 13: DISPOSAL CONSIDERATIONS.

The proper management of the waste of the substance and / or its container shall be determined in accordance with the provisions of Directive 2008/98 / EC.

13.1 Waste treatment methods.

Do not pour into drains or streams.

Waste

Waste management is carried out without endangering human health and without harming the environment, and in particular without creating any risk to water, air, soil, fauna or flora.

Recycle or dispose of in accordance with current legislation, preferably by a collector or an approved company. Do not contaminate soil or water with waste, do not dispose of it in the environment.

Dirty packaging:

Empty the container completely. Keep the label on the package. Give an approved eliminator

SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

14.1 UN number.

Transportation is not dangerous.

14.2 UN proper shipping name.

Description:

ADR: Transportation is not dangerous.

IMDG: Transportation is not dangerous.

ICAO/IATA: Transportation is not dangerous.

14.3 Transport hazard class(es).

Transportation is not dangerous.

14.4 Packing group.

Transportation is not dangerous.

14.5 Environmental hazards.

Transportation is not dangerous.

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14.6 Special precautions for user.

,Transportation is not dangerous.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code.

Transportation is not dangerous.

SECTION 15: REGULATORY INFORMATION.

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): N/A

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION.

It is recommended that the product only be employed for the purposes advised.

Abbreviations and acronyms used:

CEN: European Committee for Standardization.

PPE: Personal protection equipment.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2015/830.

Regulation (EC) No 1907/2006.

Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.