

SAFETY DATA SHEET

1.IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

Product name : Strontium citrate

CAS No. : 813-97-8

Company name: Regent Science Industry Limited

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Emergency Phone: +85255690761

Identified uses:Laboratory chemicals, Manufacture of substances

2.HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not hazards

Label elements

Pictogram Not hazards

Signal Word: Not hazards

Hazard statement(s): Not hazards

Other hazards - none

substance not yet tested completely.

3.COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Synonyms : Strontium 2-hydroxy-1,2,3-propanetricarboxylate; Tristrontium dicitrate

Molecular Formula: C₆H₆O₇Sr

Molecular Weight: 277.73

4.FIRST AID MEASURES

Description of first aid measures

Eyes:

Flush eyes with plenty of water for at least 15 minuts, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

Get medical aid. Wash mouth out with water.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:Treat symptomatically and supportively.

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Dry chemical, CO₂ or water spray. Consult with local fire authorities before attempting large scale firefighting operations.

Special hazards arising from the substance or mixture

no data available.

Advice for firefighters

Use water spray or fog; do not use straight streams. Dike fire-control water for later disposal; do not scatter the material. Containers may explode when heated. Move containers from fire area if you can do it without risk.

Further information

no data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas. ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if without risk. Absorb with an inert material and put the spilled material in an appropriate waste disposal container. Use clean non-sparking tools to collect absorbed material. Ventilate the area.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities

Store in corrosive resistant container with a resistant inner liner. Keep containers tightly closed in a cool, well-ventilated place. Store locked up. Keep away from incompatibles. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid prolonged storage periods. Moisture sensitive.

Recommended storage temperature: Ambient

Specific end uses

no data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components with workplace control parameters

Exposure controls

Appropriate engineering controls

Good general ventilation should be sufficient to control airborne levels. Ventilation is normally required when handling or using this product. Eye wash fountains should be provided in areas where there is any possibility that workers could be exposed to the substance. Follow safe industrial engineering/laboratory practices when handling any chemical

Personal protective equipment

Eye/face protection

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

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.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9.PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance: White powder

Odour: no data available

Odour Threshold :no data available

pH:no data available

Melting point:no data available

Boiling point:309.6° C at 760 mmHg

Flash point:155.2° C

freezing point:no data available

Initial boiling point and boiling range:no data available

Flash point :no data available

Evaporation rate :no data available

Flammability (solid, gas): no data available

Upper/lower flammability or explosive limits:no data available

Vapour pressure: no data available

Vapour density :no data available

Relative density: no data available

Water solubility: no data available

Partition coefficient: noctanol/water: no data available

Autoignition temperature: no data available

Decomposition temperature: no data available

Viscosity: no data available

Explosive properties no data available

Oxidizing properties no data available

Other safety information

no data available

10.STABILITY AND REACTIVITY

Reactivity

Corrodes in contact with metals.

Chemical stability

Moisture sensitive

Possibility of hazardous reactions

no data available

Conditions to avoid

no data available

Incompatible materials

Strong oxidizing agents

Hazardous decomposition products

Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION**Information on toxicological effects****Acute toxicity**

orl-rat LDLo: no data available

Skin corrosion/irritation

Skin contact may result in inflammation; characterized by itching, scaling, reddening, or occasionally blistering.

Serious eye damage/eye irritation

Eye contact may result in damage.

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

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

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Potential health effects

Inhalation Be harmful if inhaled.

Ingestion Be harmful if inhaled.

Skin Be harmful if absorbed through

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, toxicological properties have not been thoroughly investigated.

Additional Information

no data available

12. ECOLOGICAL INFORMATION**Toxicity**

no data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

Results of PBT and vPvB assessment

no data available

Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product

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

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

UN number

no data available

UN proper shipping name

no data available

Transport hazard class(es)

Not hazard

8 Corrosive material

Packaging group

Not hazard

Environmental hazards

no data available

Special precautions for user

no data available

REGULATORY INFORMATION

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

OTHER INFORMATION

The SDS information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. We shall not be held liable for any damage resulting from Handling or from contact with the above product.