

# **SAFETY DATA SHEET**

Santa Cruz Biotechnology, Inc. Revision date 24-May-2017 Version 1.1

# 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Strontium nitrate

Product Code SC-212960

**Recommended use** For research use only. Not intended for diagnostic or therapeutic use.

Company Emergency telephone number

Santa Cruz Biotechnology, Inc. 10410 Finnell Street Dallas, TX 75220 831.457.3800 800.457.3801 scbt@scbt.com Chemtrec 1.800.424.9300 (Within USA) +1.703.527.3887 (Outside USA)

## 2. HAZARDS IDENTIFICATION

**Emergency Overview** The product contains no substances which at their given concentration, are considered to

be hazardous to health

OSHA Regulatory Status This material is considered hazardous by the OSHA Hazard Communication Standard (29

CFR 1910.1200)

Potential health effects

Eyes May cause irritation.

Skin May be harmful in contact with skin.

Inhalation May be harmful if inhaled.

Ingestion May be harmful if swallowed.

Chronic Toxicity No known effect.

Hazards not otherwise classified (HNOC)

Hazards not otherwise classified (HNOC)

Not applicable

Environmental Hazard See Section 12: ECOLOGICAL INFORMATION.

Flammability 0 Stability 1

Physical and chemical

properties

Health hazards

**NFPA** 

HMIS Health hazards
Flammability

Physical hazards Personal protection

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Name Strontium nitrate

Molecular Weight 211.63 Formula Sr(NO<sub>3</sub>)<sub>2</sub>

\_\_\_\_\_

#### 4. FIRST AID MEASURES

General advice Consult a physician if necessary. Remove to fresh air.

Eye contact Wash with plenty of water.

Skin Contact Wash off immediately with soap and plenty of water.

Inhalation Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial

respiration.

Ingestion Never give anything by mouth to an unconscious person. Clean mouth with water.

Self-protection of the first aider Avoid contact with skin, eyes or clothing.

## 5. FIRE-FIGHTING MEASURES

\_\_\_\_\_

Suitable Extinguishing Media

Suitable Extinguishing Media Dry chemical, CO2, water spray or alcohol-resistant foam.

Specific hazards arising from the chemical

Flammable properties Not determined.

Flash point °C No information available Hazardous combustion products Nitrogen oxides (NOx).

**Explosion data** 

Sensitivity to Mechanical Impact
Sensitivity to Static Discharge
No information available.
No information available.

Protective equipment and precautions for firefighters

Protective equipment and precautions As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH

for firefighters (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Ensure adequate ventilation, especially in confined areas.
Environmental precautions
Methods for containment
See Section 12 for additional Ecological Information.
Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp

to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice.

Storage Conditions

Handle in accordance with good industrial hygiene and safety practice.

Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure controls** 

Engineering Controls Showers

Eyewash stations Ventilation systems

Personal protective equipment (PPE)

Eye/face protection Wear safety glasses with side shields (or goggles). Skin and Body Protection Wear protective gloves and protective clothing.

Respiratory protection

Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Solid

Appearance crystalline or chunks
Odor No information available

Property Values

pH No information available

Melting point/freezing point 570 °C

Boiling point No information available Flash point No information available

Density 2.99 g/cm<sup>3</sup>

No information available Evaporation rate Upper flammability limits No information available Lower flammability limit No information available Vapor pressure No information available Vapor density No information available Specific gravity No information available Water solubility No information available Solubility in other solvents No information available Partition coefficient No information available Autoignition temperature No information available Decomposition temperature No information available No information available Kinematic viscosity No information available Explosive properties Oxidizing properties No information available

## 10. STABILITY AND REACTIVITY

Reactivity Not applicable

Stability Stable under recommended storage conditions.

Conditions to avoid Heat, flames and sparks. Extremes of temperature and direct sunlight.

Hazardous Decomposition Products Nitrogen oxides (NOx).

Hazardous polymerization Hazardous polymerization does not occur

# 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product Information Product does not present an acute toxicity hazard based on known or supplied information.

**Chronic Toxicity** 

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Target Organ Effects None known.

IARC (International Agency for Research on Cancer) Group 2A - Probably Carcinogenic to Humans OSHA (Occupational Safety and Health Administration of the US Department of Labor) X - Present

#### 12. ECOLOGICAL INFORMATION

**Ecotoxicity** 

Ecotoxicity The environmental impact of this product has not been fully investigated.

Persistence and degradability

No information available.

No information available.

## 13. DISPOSAL CONSIDERATIONS

Disposal considerations Disposal should be in accordance with applicable regional, national and local laws and

regulations.

Contaminated packaging Do not reuse container.

US EPA Waste Number D001

This product contains one or more substances that are listed with the State of California as a hazardous waste.

#### 14. TRANSPORT INFORMATION

DOT

UN/ID no UN1507 Hazard Class 5.1 Packing Group III

Proper shipping name Strontium nitrate

Description UN1507, Strontium nitrate, 5.1, III

Emergency Response Guide Number 140

**IATA** 

UN/ID no UN1507 Hazard Class 5.1 Packing Group III

Proper shipping name Strontium nitrate

Description UN1507, Strontium nitrate, 5.1, III

Special Provisions A803

**IMDG** 

UN/ID no UN1507 Hazard Class 5.1 Packing Group III

Proper shipping name Strontium nitrate

Description UN1507, Strontium nitrate, 5.1, III

EmS-No F-A, S-Q

#### 15. REGULATORY INFORMATION

#### **International Inventories**

All of the components in the product are on the following Inventory lists TSCA (United States): Canada (DSL/NDSL) Europe (EINECS/ELINCS/NLP) Australia (AICS) South Korea (KECL): China (IECSC) ENCS (Japan): Philippines (PICCS)

X - Listed

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

#### **US Federal Regulations**

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

Acute health hazard No
Chronic Health Hazard No
Fire hazard No
Sudden release of pressure hazard No
Reactive hazard Yes

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **US State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

# U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Strontium nitrate	X	X	X
10042-76-9			

## Mexico Regulatory Information

## Canada Regulatory Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class D2A - Very toxic materials

Non-controlled

## **16. OTHER INFORMATION**

Revision date 24-May-2017

Revision note No information available

**Disclaimer** 

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**