

POCH Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH). Creation date / last update: 2002-10-15 / 2005-08-16

1. Identification of the substance/preparation and of the company/undertaking

STRONTIUM NITRATE

Catalogue Numbers: *pure-818800421; pure p. a.-818800114;*

Use of the substance / preparation: *for analysis*

POCH SA

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2. Hazard identification

Contact with combustible material may cause fire.

3. Composition/information on ingredients

Synonyms: *nitric acid strontium salt*

CAS-No.: *10042-76-9*

Molecular mass: *211.63*

Molecular formula: *Sr(NO₃)₂*

WE Number: *233-131-9*

4. First aid measures

After eye contact: *rinse out with plenty of water with the eyelid held wide open. Call in ophthalmologist.*

After skin contact: *wash off with plenty of water. Immediately take off contaminated clothing.*

After swallowing: *if victim is still conscious, make him drink plenty of water. Induce vomiting. Summon doctor.*

After inhalation: *fresh air*

5. Fire-fighting measures

Suitable extinguishing media: *in adaption to materials stored in the immediate neighbourhood, water*

Special risk: *fire- promoting. Keep away from combustible materials. Development of hazardous gases or vapours possible in the event of fire: nitrogen oxides.*

Special protective equipment for fire fighting:

Other information: *non-combustible*

Prevent fire-fighting water from entering surface water or groundwater. Cool container with spray water from a safe distance.

Contain escaping vapours with water.

6. Accidental release measures

Take up dry. Forward for disposal. Clean up affected area. Do not allow to enter sewerage system. Avoid generation of dusts, do not inhale dusts.

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7. Handling and storage

Handling: *Use with adequate ventilation. Use of the basic principles of Industrial Hygiene. Use according to good industry practice. Work under hood. Do not inhale substance. Do not empty into sewerage system. Use protective equipment according to p.8. Avoid skin contact.*

Storage: *tightly closed. Dry place. Keep away from flammable substances. Keep away from sources of ignition and heat. At +15 to + 25 deg C.*

8. Exposure controls/personal protection

Specific control parameter: *no determined.*

Provide exhaust ventilation. Ensure the eye wash station and safety showers. Protective equipment should be selected for the working place, depending on concentration and quantity of the hazardous product handled. The resistance of the protective clothing to chemicals should be ascertained with respective supplier.

Personal protective equipment:

respiratory protection: *required when dusts are generated - respiratory protection*

eye protection: *required - safety goggles.*

hand protection: *required - protective clothing.*

body protection: *required - protective clothing.*

industrial hygiene: *immediately change contaminated clothing. Wash hands and face after working with substance.*

9. Physical and chemical properties

Form: *solid*

Colour: *white*

Odour: *odourless*

pH value: *~ 5 - 7 (50 g/l H₂O, 20°C)*

Melting point: *570°C*

Boiling point: *645°C*

Autoignition temperature: *not applicable*

Flash point: *not applicable*

Explosion limit: *not applicable*

lower:

upper:

dynamic viscosity:

kinematical viscosity:

Vapour pressure: *not available*

Density: *2,98 g/cm³ (w 20°C)*

Bulk density: *~1000 kg/m³*

Solubility:

in water: *660 g/l (20°C), 1000 g/l (90°C)*

in organic solvents: *not available*

log P(w/o): *0,19*



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10. Stability and reactivity

Conditions to be avoided: *no further requirements*

Substances to be avoided: *combustibles, powdered metals, sulfur*

Hazardous decomposition products:

Other information: *tends to polymerization*

11. Toxicological information

Toxicological information: *LD50 (oral rat): 2750 mg/kg*

Other information: *hazardous properties cannot be excluded but are unlikely when the product is handled appropriately. After swallowing: nausea, vomiting.*

12. Ecological information

Toxic for aquatic organisms, Fish: LC50 >500 mg/l. Hazard for drinking water supplies. Do not allow to enter waters, waste water or soil! log P(o/w): 0,19. No bioaccumulation is to be expected.

13. Disposal considerations

POCH product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system. Handle contaminated packing in the same way as the substrate itself. Always contact a permitted waste disposal to assure compliance with all current local, state and federal regulations.

14. Transport information

ADR Class and package group: *5.1,III*

UN Number: *1507*

Name (acc. to UN): *strontium nitrate*

15. Regulatory information

Labelling according to EC Directives.

Symbol: *O; Oxidizing.*

R-phrases: *8; Contact with combustible material may cause fire.*

S-phrases: *not applicable;*

16. Other information

Reason for alteration: general update.

Informations contained in this SDS while accurate to the best knowledge