

MATERIAL SAFETY DATA SHEET

1. Identification

1.1 Product identifier
Rubidium bromide, GR 99%+
Code R 13621

2.
Hazard identification

2.1
Classification of the substance or mixture
no data available

2.2
GHS label elements, including precautionary statements
Pictogram(s) no data available
Signal word
no data available

Hazard statement(s)
no data available

Precautionary statement(s)
Prevention
no data available

Response
no data available

Storage
no data available

Disposal
no data available

2.3
Other hazards which do not result in classification
no data available

3.
Composition/information on ingredients

3.1
Substances

Chemical name	Common names and synonyms	CAS number	EC number	Concentration
Rubidium bromide	Rubidium bromide	7789-39-1	none	100%

4.
First-aid measures

4.1
Description of necessary 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.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2

Most important symptoms/effects, acute and delayed
no data available

4.3

Indication of immediate medical attention and special treatment needed, if necessary
no data available

5.

Fire-fighting measures

5.1

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2

Specific hazards arising from the chemical

no data available

5.3

Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

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. Discharge into the environment must be avoided.

6.3

Methods and materials for containment and cleaning up

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

7.

Handling and storage

7.1

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed. 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.

8.

Exposure controls/personal protection

8.1

Control parameters

Occupational Exposure limit values

no data available

Biological limit values

no data available

8.2

Appropriate engineering controls

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

8.3

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. 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.

Respiratory protection

Wear dust mask when handling large quantities.

Thermal hazards

no data available

9.

Physical and chemical properties

Physical state white crystalline powder

Colour no data available

Odour no data available

Melting point/ freezing point 693\°C

Boiling point or initial boiling point and boiling range 1340 \°C

Flammability no data available

Lower and upper explosion limit / flammability limit no data available

Flash point 1340\°C

Auto-ignition temperature no data available

Decomposition temperature no data available

pH no data available

Kinematic viscosity no data available

Solubility no data available

Partition coefficient n-octanol/water (log value) no data available

Vapour pressure no data available

Density and/or relative density 3.35g/mL at 25\°C (lit.)

Relative vapour density no data available

Particle characteristics no data available

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

10.5

Incompatible materials

no data available

10.6

Hazardous decomposition products

no data available

11.

Toxicological information

Acute toxicity

Oral: no data available

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation

no data available

Serious eye damage/irritation

no data available

Respiratory or skin sensitization
no data available

Germ cell mutagenicity
no data available

Carcinogenicity
no data available

Reproductive toxicity
no data available

STOT-single exposure
no data available

STOT-repeated exposure
no data available

Aspiration hazard
no data available

12.
Ecological information

12.1
Toxicity
Toxicity to fish: no data available
Toxicity to daphnia and other aquatic invertebrates: no data available
Toxicity to algae: no data available
Toxicity to microorganisms: no data available

12.2
Persistence and degradability
no data available

12.3
Bioaccumulative potential
no data available

12.4
Mobility in soil
no data available

12.5
Other adverse effects
no data available

13.
Disposal considerations

13.1
Disposal methods
Product

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

14.
Transport information

14.1
UN Number
ADR/RID: Not dangerous goods. IMDG: Not dangerous goods. IATA: Not dangerous goods.

14.2
UN Proper Shipping Name
ADR/RID: unknown
IMDG: unknown
IATA: unknown

14.3

Transport hazard class(es)

ADR/RID: Not dangerous goods. IMDG: Not dangerous goods. IATA: Not dangerous goods.

14.4

Packing group, if applicable

ADR/RID: Not dangerous goods. IMDG: Not dangerous goods. IATA: Not dangerous goods.

14.5

Environmental hazards

ADR/RID: no IMDG: no IATA: no

14.6

Special precautions for user

no data available

14.7

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

no data available

15.

Regulatory information

15.1

Safety, health and environmental regulations specific for the product in question

Chemical name	Common names and synonyms	CAS number	EC number
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Rubidium bromide	Rubidium bromide	7789-39-1	none
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European Inventory of Existing Commercial Chemical Substances (EINECS) Listed.

EC Inventory Listed.

United States Toxic Substances Control Act (TSCA) Inventory Listed.

China Catalog of Hazardous chemicals 2015 Not Listed.

New Zealand Inventory of Chemicals (NZIoC) Listed.

Philippines Inventory of Chemicals and Chemical Substances (PICCS) Not Listed.

Vietnam National Chemical Inventory Not Listed.

Chinese Chemical Inventory of Existing Chemical Substances (China IECSC) Not Listed.

16. OTHER INFORMATION

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product.