

MATERIAL SAFETY DATA SHEET

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SECTION 1 Product Identification

CHEMICAL NAME: RUBIDIUM CARBONATE
CAS REGISTRY NUMBER: 584-09-8
FORMULA: Rb₂CO₃
SYNONYMNS: Dirubidium carbonate, Dirubidium salt of carbonic acid

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	584-09-8	100	Not Established	Not Established

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Causes irritation to skin, eyes and respiratory system. Harmful if swallowed.
PRIMARY ROUTES OF EXPOSURE: Ingestion, inhalation, skin, eyes.
EYE CONTACT: Dust may cause irritation of the eyes.
SKIN CONTACT: May cause irritation of the skin.
INHALATION: Inhalation of dust can lead to irritation of the respiratory tract.
INGESTION: Harmful if swallowed.
CHRONIC HEALTH EFFECTS: None Known

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water (lukewarm if possible) for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate medical attention.
SKIN EXPOSURE: Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation or redness persists.
INHALATION: Remove victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.
INGESTION: Do not induce vomiting. Seek medical assistance immediately

SECTION 5 Firefighting Measures

FLASH POINT: Not applicable

AUTOIGNITION TEMPERATURE: Not applicable

EXPLOSION LIMITS: Not applicable

EXTINGUISHING MEDIUM: Material is not combustible. Use media suitable for other materials in area.

SPECIAL FIREFIGHTING PROCEDURES: If this product is involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, oxides of rubidium

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known

SECTION 6 Accidental Release Measures

SPILL AND LEAK PROCEDURES: In the case of a spill, vacuum or sweep up and place in a well-marked container for disposal. Avoid raising dust.

DISPOSAL: Dispose of in accordance with all waste disposal regulations.

SECTION 7 Handling and Storage

HANDLING AND STORAGE: Keep in a tightly sealed container. Avoid contact with water or moisture.

SECTION 8 Exposure Controls and Personal Protection

EYE PROTECTION: Always wear approved safety glasses w/side shields, or safety goggles when handling a chemicals substance in the laboratory.

SKIN PROTECTION: Wear appropriate chemical resistant gloves.

VENTILATION: Local exhaust

RESPIRATOR: If ventilation if not available, a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29CFR 1910.34.

ADDITIONAL PROTECTION: Use in a controlled environment.

SECTION 9 Physical and Chemical Properties

COLOR AND FORM: White, odorless powder

MOLECULAR WEIGHT: 230.95

MELTING POINT (DEG. C.): 837

SPECIFIC GRAVITY (WATER = 1): No Data

BOILING POINT: decomposes @ 940 deg. C.

VAPOR PRESSURE: Not applicable

VAPOR DENSITY (AIR = 1): No Data

% VOLATILE BY VOLUME: Non volatile

SOLUBILITY: Slightly soluble in absolute alcohol

SOLUBILITY IN WATER: 450% @ 20 C

SECTION 10 Stability and Reactivity

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: No Data

INCOMPATIBILITY: Acids, oxidizing agents. Reducing agents. Metals. Halogens.

DECOMPOSITION PRODUCTS: Carbon monoxide, Carbon dioxide, oxides of rubidium

SECTION 11 Toxicological Information

CARCINOGENIC EFFECTS: No Data

MUTAGENIC EFFECTS: No Data

TETRATOGENIC EFFECTS: No Data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 Ecological Information

ECOLOGICAL INFORMATION: No information available

SECTION 13 Disposal Considerations

DISPOSAL: Dispose of in according to local state and federal regulations.

SECTION 14 Transportation Information

Not a hazardous material for transportation. Non-Regulated Chemical, n.o.i.

SECTION 15 Regulatory Information

TSCA: No Data

SARA (TITLE 313): None

RCRA: Not considered a hazardous waste.

SECTION 16 Other Information

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, ProChem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

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