

Material Safety Data Sheet

Potassium Carbonate

Revised: 11/20/2011
Replaces: 11/13/2011
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Section 1 - Product Description

Product Name: Potassium Carbonate
Product Code(s): 11050
CAS Number: 584-08-7
Formula: K₂CO₃
Synonyms: Potash, Pearl ash
Manufacturer: Baoding Runfeng industrial Co.,Ltd
Tel: +86-312-3168225
Fax: +86-312-3167556
Web site: <http://www.runfengshiye.cn/English/>
<http://www.hbrf.en.alibaba.com>

Section 2 - Hazard Identification

Emergency Overview: Harmful if inhaled or swallowed. Irritating to eyes and skin.

Potential Health Effects:

Eyes: May cause irritation.

Skin: May cause irritation to skin.

Ingestion: May cause gastrointestinal discomfort.

Inhalation: May cause irritation to respiratory tract.

Section 3 - Composition / Information on Ingredients

Component: Potassium Carbonate
Formula: K₂CO₃
MOLECULAR WEIGHT: 1387.21G/MOL
TLV units: N/A
PEL units: N/A

Section 4 - First Aid Measures

Emergency and First Aid Procedures:

Eyes - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin - After contact with skin, wash immediately with plenty of ... (Water, unless specified as water-reactive).

Ingestion - If swallowed, rinse mouth with water (only if the person is conscious). If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Inhalation - In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Section 5 - Firefighting Procedures

Flash Point (Method Used): N/A

NFPA Rating:

Health: 2

Fire: 0

Reactivity: 0

Extinguisher Media: Use dry chemical, CO₂ or appropriate foam.

Flammable Limits in Air % by Volume:

N/A **Autoignition Temperature:** N/A

Special Firefighting Procedures: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: N/A

Section 6 - Spill or Leak Procedures

Steps to Take in Case Material Is Released or Spilled: Ventilate area of spill. Clean-up personnel should wear proper protective equipment. Avoid creating dust. Sweep or scoop up and containerize for disposal.

Section 7 - Special Precautions

Precautions to Take in Handling or Storing: Avoid contact with clothing. Avoid contact with skin and eyes.

Keep container tightly closed in a cool, well-ventilated place. Avoid creating and inhaling dust.

Section 8 - Protection Information

Respiratory Protection (Specify Type): None needed under normal conditions of use with adequate ventilation. A NIOSH/MSHA chemical cartridge respirator should be worn if PEL or TLV is exceeded.

Ventilation:

Local Exhaust: Yes

Mechanical(General):

Yes **Special:** No

Other: No

Protective Gloves: Natural rubber, Neoprene, PVC or equivalent.

Eye Protection: Splash proof chemical safety goggles should be worn.

Other Protective Clothing or Equipment: Lab coat, apron, eye wash, safety shower.

Section 9 - Physical Data

Molecular Weight: 138.21

Boiling Point: Decomposes

Vapor Density(Air=1): N/A

Percent Volatile by Volume: N/A

Solubility in Water: Soluble

Melting Point: 891°C

Vapor Pressure: N/A

Specific Gravity (H₂O=1): 2.29

Evaporation Rate (BuAc=1): N/A

Appearance and Odor: White, odorless crystals.

Section 10 - Reactivity Data

Stability: Stable

Conditions to Avoid: Heat and sources of ignition.

Avoid Dusting. May become explosive when dispersed in air.

Moisture; Product is hygroscopic.

Incompatibility (Materials to Avoid): Metals, Halogens, Acids,

Hazardous Decomposition Products: K₂O - Potassium Oxide, CO_x,

Hazardous Polymerization: Will not occur

Section 11 - Toxicity Data

Toxicity Data: orl-rat LD50 1870 mg/kg

Effects of Overexposure:

Acute: See Section 2

Chronic: Not listed as a carcinogen by IARC, NTP or OSHA.

Conditions Aggravated by Overexposure: Respiratory disorders,

Target Organs: Respiratory system, Skin, Eyes,

Primary Route(s) of Entry: Inhalation and ingestion.

Section 12 - Ecological Data

EPA Waste Numbers: N/A

Section 13 - Disposal Information

Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.

Section 14 - Transport Information

DOT Proper Shipping Name: N/A

EPA TSCA Status: On TSCA Inventory

Hazard Category for SARA Section 311/312 Reporting: Acute

Name List:

Potassium-carbonate, anhydrous - No

Chemical Category:

Potassium-carbonate, anhydrous - No

CERCLA Section 103 RQ(lb.): Potassium-carbonate, anhydrous - No

RCRA Section 261.33: Potassium-carbonate, anhydrous - No

The information provided in this Material Safety Data Sheet represents a compilation of data drawn directly from various sources available to us.