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Hefei TNJ Chemical Industry Co.,Ltd.

B910~911 Xincheng Business Center,

Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 65418678

Fax: (0086) 551 65418697

Email: info@tnjchem.com

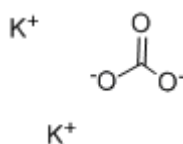
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Technical Data Sheet

Potassium carbonate

Product Information

Chemical Name	Potassium Carbonate
CAS #	584-08-7
Formula	CK2O3
Molecular Weight	138.21
Chemical Structure	



Description

Potash, white crystalline powder. Soluble in water, alkaline aqueous solution, insoluble in ethanol, acetone and ether. Hygroscopicity strong, exposed to the air can absorb carbon dioxide and water, into potassium bicarbonate, should be sealed packaging. Hydrates have monohydrate, dihydrate, sanshui. Potash alkaline aqueous solution. Insoluble in ethanol and ether.

Physical Properties

Melting point, °C .	891 °C(lit.)
Density @ 25°C, g/ml	2.43
Soluble	1120 g/L (20 °C)
Solubility	H2O: 1 M at 20 °C, clear, colorless

Specification

Item	Industrial grade/Food grade
Content(K ₂ CO ₃), %	≥ 99.0
Insoluble in Water, %	≤ 0.02
Chlorides,%	≤0.01/≤0.015

Fe,%	≤0.001
Sulfur compound,%	≤0.01
Loss on Lgnition ,%	≤ 0.60

Safety

Always refer to the Material Safety Data Sheet (MSDS)

Applications

Potassium carbonate can be used for glass, printing and dyeing, soap, enamel, preparation of potassium, ammonia carbonyl, also used in color TV industry, mainly used in food as a leavening agent.

Packaging

25kg/ bag,20MT/FCL with pallet.22MT/FCL without pallet.

Storage & Handling

Do not store in direct sunlight. Store in a tightly closed container.

Store in a cool, dry, well-ventilated area away from incompatible substances.

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation.

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep container tightly closed.

Avoid ingestion and inhalation.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center
Qianshan Road, Hefei
230022 Anhui
China

Tel : (0086) 551 65418678
Fax: (0086) 551 65418697
Email: info@tnjchem.com
Site: www.tnjchem.com