

BE-LONG CORPORATION

P.O.Box 139, Gulou Post office, Nanjing 210008, China

Tel : ++86-25-84712602 Fax: ++86-25-84709922

<http://www.be-longgroup.com>

Email: business@be-long.com.cn



Potassium chloride

1. Product and Company identification

【Identification of the substance or preparation】

Product name : Potassium chloride

Product grade(s) : Technical Grade

Chemical Name : Potassium chloride

Synonyms : Chlorvescent;Klotrix;Potassium monochloride;Potassium muriate

Molecular formula : KCL

Molecular Weight : 74.55 g/mol

【Company/Undertaking Identification】

Address : P.O.Box. 139 Gulou Post Office

Nanjing, 210008 China

【Emergency and contact telephone numbers】

Emergency telephone: +86-25-8471 2605

Contact telephone number : +86-25-8471 5120 (Product information)

2.Physical and Chemical Properties Back to Contents

【Appearance】 Colorless or white crystals, odorless, hygroscopic.

【Solubility in water】 Soluble

【Melting Point】 773

【Boiling Point】 1420

【Density】 1.98 g/cm³

【Usage】 In photography, in buffer soln, electrode cells.

【Saturation Concentration】 Approximately zero

white crystals, odorless, hygroscopic 【Appearance
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3.First Aid Measures

【Ingestion】

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

【Inhalation】

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

【Skin】

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

【Eyes】

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

4.Handling and Storage

【Storage】

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

【Handling】

Avoid prolonged or repeated contact with skin. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Wash clothing before reuse. Keep from contact with moist air and steam.

5.Hazards Identification

【Ingestion】

Ingestion of large amounts may cause gastrointestinal irritation. May cause gastric disturbances and electrolytic imbalance.

【Inhalation】

Dust is irritating to the respiratory tract. Low hazard for usual industrial handling.

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【Skin】

May cause skin irritation.

【Eyes】

Dust may cause mechanical irritation.

【Hazards】

Flammability data is not available, but this compound is probably nonflammable.

【EC Risk Phrase】

R 36/37/38

【EC Safety Phrase】

S 26 36

【UN (DOT)】

1463

6.Exposure Controls/Personal Protection

【Personal Protection】

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin: Wear appropriate protective gloves to prevent skin exposure. Clothing: Wear appropriate protective clothing to prevent skin exposure.

【Respirators】

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

【Poison Class】

5

7.Fire Fighting Measures

【Fire Fighting】

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use extinguishing media

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appropriate to the surrounding fire. To extinguish fire use water spray, dry chemical, carbon dioxide, or appropriate foam.

【Fire Potential】

These substances will accelerate burning when involved in a fire.

8.Accidental Release Measures

【Small spills/leaks】

Clean up spills immediately, using the appropriate protective equipment. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

9.Stability and Reactivity Back to Contents

【Disposal Code】

14

【Incompatibilities】

May react violently with bromine trifluoride. May result in explosion with potassium permanganate and sulfuric acid.

【Stability】

Stable at room temperature in closed containers under normal storage and handling conditions.

【Decomposition】

Chlorine, irritating and toxic fumes and gases, potassium fume.

【Combustion Products】

Fire may produce irritating, corrosive and/or toxic gases.

10.Transport Information

【UN Number】

1463

【Hazard Class】

5.1

【Packing Group】

II

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【HS Code】

3104 20 90

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