



POTASSIUM CHLORIDE
REAGENT GRADE (LR/AR/ACS)
TECHNICAL DATA SHEET

SYNONYMS

Chloropotassuril, Dipotassium dichloride, Potassium monochloride

CHEMICAL STRUCTURE AND IDENTITY

Molecular formula	KCL
Molecular weight	74.5513 g/mol
CAS number	7447-40-7
EINECES number	231-211-8
HS code	31042090

SPECIFICATIONS

Appearance	White crystalline powder
Assay	99.5% to 100.5%
pH	5.5 - 8.5
Insoluble matter	0.005% Maximum
Bromide	0.01% Maximum
Sulphate	0.001% Maximum
Phosphate	0.0005% Maximum
Iodide	0.002% Maximum
Chloride & Nitrate (As No ₃)	0.003% Maximum
Heavy metal (as Pb)	0.0005% Maximum
Aluminum	0.001% Maximum
Iron	0.0005% Maximum
Sodium	0.005% Maximum
Barium	0.001% Maximum
Calcium	0.001% Maximum
Copper	0.0002% Maximum
Magnesium	0.001% Maximum

PHYSICAL PROPERTIES

Boiling Point	1420°C
Melting Point	770°C
Density	1.987 g/cm ³

DESCRIPTION

Potassium chloride is characterized by colorless, crystalline appearance and odorless smell. In its solid form, potassium chloride can be easily dissolved in water.



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PACKAGING

Available in 5kg, 25kg and 50kg bags. Other packaging may be considered on request.

STORAGE AND HANDLING

Provide ventilation for containers. Avoid storage near extreme heat, ignition sources or open flame. Store away from oxidizing agent. Store in cool, dry condition in well-sealed containers. Keep container tightly sealed. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash clothing before reuse.

SAFETY

Use chemicals splash goggles, protective gloves to prevent skin exposure and wear appropriate protective clothing.

FIRST AID MEASURES

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or symptoms appear. Do not use mouth to mouth resuscitation.

Skin contact: flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoe. Get medical aid if irritation develops or persists. Wash clothing before reuse.

Eye contact: immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and eyelids. Get medical aid.

Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Do not induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of water.

SPILL AND DISPOSAL

Absorb spill with inert material, then place in suitable container. Clean up spills immediately. Product or containers must not be disposed together with household garbage. Do not allow product to reach sewage system or open water. Dispose of container and unused contents in accordance with federal, state and local regulation.

CONTACT

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