

Potassium Hydroxide Flakes 90%

DESCRIPTION

Potassium hydroxide flakes 90% is a white, deliquescent solid in the form of flakes obtained by concentration of purified electrolytic potassium hydroxide solution.

Chemical formula: KOH

Molecular weight: 56.1

APPLICATIONS

Uses include electrolytes, dyestuffs, liquid fertilizers, photochemical, pharmaceutical and agrochemical synthesis.

SPECIFICATIONS

Assay as KOH, %, min.	90.0
Sodium, as NaOH, wt%, max.	1.0
Carbonate, as K ₂ CO ₃ , wt%, max.	0.5
Chlorides, as Cl ⁻ , mg/kg, max.	50
Sulfates, as SO ₄ ⁻ , mg/kg, max.	10
Iron, mg/kg, max.	2
Heavy metals, as Pb, mg/kg, max.	5
Nickel, mg/kg, max.	5

PHYSICAL PROPERTIES

Appearance	white solid (The flakes readily absorb moisture)
Bulk density (aerated), g/cm ³ , approx.	0.8

STORAGE AND SHELF LIFE

The shelf life of this product is at least 18 months, if the product is stored properly, in its original container, in cool (<80 F), dry, place and exposure to moisture and sunlight is avoided.

COMPATIBILITY

This product is a strong base and reacts violently with acids. When mixed with water, a considerable amount of heat is generated which may cause splattering. Contact with aluminum, copper, zinc, lead, and their alloys should be avoided. Reaction with some metals may result in formation of hydrogen gas.

SAFETY AND HANDLING INFORMATION

For specific handling information please refer to the current material safety data sheet, which is available upon request.

CHEMICAL REGISTRATION NUMBERS

CAS: 1310-58-3 EINECS: 215-181-3 EC Annex I: 019-002-00-8
Listed in inventory: EU, USA, Australia, Canada, China, Japan, Korea, Philippines, Switzerland, and New Zealand



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