

Potassium Hydroxide

Grade: Laboratory

KOH

M=56.11 g/mol

Specification

Assay (acidimetric)..... $\geq 85\%$
Identity..... passes test
Carbonate $\leq 3\%$
Sulfate (SO₄)..... $\leq 0.03\%$
Heavy Metal..... $\leq 0.05\%$
Silicate..... $\leq 0.1\%$
Appearance of solution.....confirms
In soluble substance.....confirms
Melting Point.....360°C
Boiling point.....1320°C

Technical data

.CAS-No. 1310-58-3
.EC-No. 215-181-3
.Spec. density 2.04 g/cm³(20° C)
.Solub. In H₂O 1130 g/l (20° C)
.PH value- ~ 14(56 g/l, H₂O, 20° C)
.Harmful, corrosive
.R 22-35
.S 26-36/37/39-45
.Poison class (CH) 2
.WGK 1
.LD 50 oral rat 273 mg/kg
.EC-Index-No. 019-002-00-8
.HS-No. 2815 20 10
.LGK 8 B
.Pack.-cat. L
.Disposal 13
.Road/Rail 8/C 6 II
.IMDG-Code 8/ II UN 1813
.IATA-DGR UN 1813 CAO 816 PAX 814
.Merckblatt BG Chemie Nr.M004,M051
.Merck index 10, 7519
.Roempp 8, 2018

Symbol



Packaging

Plastic Bottles

1 Kg

Plastic container

5-10 Kg

Fiber Bag

20 Kg

Guidelines of usage & storage

- Harmful if swallowed.
- Causes severe burns.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Wear suitable protective clothing gloves and eye/ face protection.
- In case of accident or if you feel unwell, seek medical advice immediately.
- Keep out of reach the children.
- Keep container tightly closed.