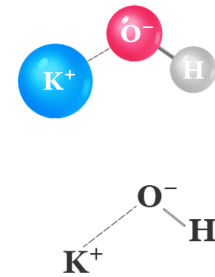


POTASSIUM HYDROXIDE – KOH

CAS Number: 1310-58-3
Packing Group: II, III
Packing Size: 1000 L / 1450 Kg
Density (p): 1.45 p
UN Number: UN1814
Hazard Classification: Corrosive (8)

Potassium hydroxide (KOH)



PRODUCT OVERVIEW



An inorganic, clear, odorless solution that is stable at room temperature. Potassium hydroxide acts as a strong base and is incompatible with strong acids and metals. Thermal decomposition of KOH generates corrosive vapors, which are harmful to the respiratory system. Potassium hydroxide is mainly used for laboratory and manufacturing purposes, but also has applications in various industries such as food, drug, agricultural, and many more. It is also used as an electrolyte to produce alkaline batteries and as an intermediate for making personal care products. This solution is harmful if swallowed or when exposed to large amounts on skin and/or respiratory tract.

SAFETY

- 1.) ALWAYS wear personal protective equipment when handling KOH
 - Protective gloves (nitrile rubber, thickness 0.11mm),
 - goggles / face shield
 - apron/long clothing
 - respiratory protection (only necessary when vapors/aerosols are present)

- 2.) Wash hands and exposed areas with soap and water when done handling KOH

STORAGE

- 1.) DO NOT store in a zinc, tin, or aluminum container
- 2.) Containers should be tightly closed
- 3.) Avoid direct sunlight and high temperatures
- 4.) Keep away from strong acids

HANDLING

- 1.) ALWAYS observe label precautions
- 2.) DO NOT eat, drink or smoke when handling this material
- 3.) Prevent exposure by vapor and spills/splashes

TRANSPORT

- 1.) Use forklift or trolley to move containers from one workplace to another
- 2.) DO NOT transport with strong acids
- 3.) Can be transported by road, air, rail, and vessel in allowable volumes

FIRST AID

- 1.) If fumes are inhaled, move the individual to fresh air and contact medical personnel
- 2.) If the solution is ingested, do not induce vomiting. Instead, give two glasses of water and contact medical personnel
- 3.) If skin comes in contact with solution, remove contaminated clothing and wash the area with plenty of water. Contact medical personnel
- 4.) If the solution is exposed to eyes, wash with plenty of water and remove contact lenses. Contact an Ophthalmologist

***ALWAYS CONTACT MEDICAL PERSONNEL IN CASE OF AN EMERGENCY.**

For more info: [KOH Bulletin.pdf](#)