



## Product Specification

### POTASSIUM HYDROXIDE FLAKES AR

PRODUCT CODE	614335
SYNONYMS	Caustic potash
C.I. NO.	--
CASR NO.	(1310-58-3)
ATOMIC OR MOLECULAR FORMULA	KOH
ATOMIC OR MOLECULAR WEIGHT	56.11
PROPERTIES	Hygroscopic; Rapidly absorbs moisture and CO <sub>2</sub> from the air and deliquesces.

## KOH

PARAMETER	LIMIT
Description	White deliquescent flakes.
Solubility	10% solution in water is clear, colourless.
Identification	Passes test.
Minimum Assay (Acidimetric )	85.0%

### MAXIMUM LIMIT OF IMPURITIES

Insoluble matter	0.01%
Carbonate (K <sub>2</sub> CO <sub>3</sub> )	1.0%
Chloride (Cl)	0.002%
Total Nitrogen (N)	0.001%
Phosphate (PO <sub>4</sub> )	0.001%
Silicate (SiO <sub>2</sub> )	0.001%
Sulphate (SO <sub>4</sub> )	0.002%
Aluminium (Al)	0.001%
Calcium (Ca)	0.0025%
Copper (Cu)	0.0005%
Iron (Fe)	0.0005%
Lead (Pb)	0.0005%
Nickel (Ni)	0.0005%
Sodium (Na)	1.0%

Note(s) : 1] Assay (if applicable) method mentioned.

#### DANGER

**Hazard statements** : Toxic if swallowed. May be corrosive to metals. Causes severe skin burns and eye damage.

#### Precautionary statements

**Prevention**: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Wash hands thoroughly after handling. Do not breathe dust or mist.

**Response**: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Absorb spillage to prevent material damage. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Specific treatment: refer to Label or MSDS.

**Disposal**: The chemical is disposed off by its slow addition to an excess of water. The final concentration should not be greater than 2% .Neutralize with 5% hydrochloric acid and run to waste with large quantities of running water.

IMDG Code : 8/II  
UN No. : 1813  
IATA : 8



Acute toxicity Corrosive to metals