

Chemical Safety Technical Data Sheet

Product Name:Potassium Hydroxide

Developed in accordance with GB/T 16483 and GB/T 17519

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Part 1: Identification of Chemicals and Enterprises

Chinese name of the chemical:Potassium hydroxide; Caustic potassium

Chemical name in English:potassium hydroxide; caustic potash

Molecular formula:KOH

Relative molecular mass:56.11

Structural formula:K—OH

Recommended and restricted uses of the chemical:It can be used as a catalyst in the production of polyethers, demulsifiers, cleaning agents, surfactants, etc., and is also employed in pharmaceuticals, dye manufacturing, light industry, and other sectors.

Part II Overview of Hazards

Emergency overview:It is harmful to swallow and can cause severe skin burns and eye injuries.

GHS Hazard Category:

Acute toxicity – Oral:Ca-

tegory 4 **Skin corrosion/**

irritation:Category 1A

Severe eye injury/eye irritation:

Category 1 **Hazard to aquatic env-**

ironment – Acute hazard:Category

3

Tag Elements:

figurative graph :



Warning phrase:Hazard

Hazard Description:Ingestion is harmful, causing severe skin burns and eye injuries, and is toxic to aquatic organisms.

Protection Explanation:

【 preventive measure 】

·Avoid contact with eyes and skin; thoroughly rinse after use.

·No eating, drinking, or smoking is permitted in the workplace.

·Avoid inhalation of dust or smoke. Wear protective gloves, protective clothing, protective goggles, and a face shield. Discharge into the environment is prohibited.

[Accident Response]

·For inhalation: Transfer the patient to an area with fresh air, have them rest, and maintain a position that facilitates breathing.

·Skin (or hair) contact: Immediately remove all contaminated clothing, rinse the skin with water, and take a shower. Contaminated clothing must be thoroughly washed before reuse.

·Eye contact: Rinse carefully with water for several minutes. If contact lenses are worn and can be easily removed, remove them and continue rinsing.

·Administration: Rinse mouth. Do not induce vomiting. If discomfort occurs, immediately contact the poison control center or seek medical attention.

【 safe storage 】

·Lock and store securely.

[Disposal of Waste]