



Emergency Contact (24 hr) -- CHEMTREC®
Domestic: 800-424-9300
International: 703-527-3887

POTASSIUM HYDROXIDE, 0.01 - 0.25 Normal Aqueous Solutions, 0.06 - 1.6% (w/v)

Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

Catalog Number:

BDH0102, BDH0104

Product Identity:

POTASSIUM HYDROXIDE, 0.01 - 0.25 Normal Aqueous Solutions, 0.06 - 1.6% (w/v)

Manufacturer's Name:

RICCA CHEMICAL COMPANY LLC

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CAGE Code: 0V553**Address:**

448 West Fork Dr
Arlington, TX 76012

Telephone Number For Information:

817-461-5601

Date Prepared:

11/02/2006

Revision: 0

Last Revised: 11/02/2006

Section 2. Composition/Information on Ingredients

Component	CAS Registry #	Concentration	ACGIH TLV	OSHA PEL
Potassium Hydroxide	1310-58-3	< 1.6	Not Available	Not Available
			C 2 mg/m3	Not Available
Water, Deionized	7732-18-5	Balance	Not Available	Not Available
			Not Available	Not Available

Section 3: Hazard Identification

Emergency Overview: Non-flammable, non-toxic, non-corrosive. Does not present any significant health hazards at these low concentrations. Wash areas of contact with water. Call a physician if irritation develops.

Target Organs: eyes, skin, respiratory system.

Eye Contact: May cause slight irritation.

Inhalation: May cause irritation.

Skin Contact: May cause slight irritation.

Ingestion: May cause burns of the mouth, throat and stomach. Symptoms may include abdominal pain, nausea, vomiting, and general gastrointestinal upset.

Chronic Effects/Carcinogenicity: Prolonged or repeated exposure may cause dermatitis.

IARC - No.

NTP - No.

OSHA - No.



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Reproductive Information: Not Applicable.

Teratology (Birth Defect) Information: Mutation data cited in 'Registry of Toxic Effects of Chemical Substances' for Potassium Hydroxide.

Section 4: First Aid Measures - In all cases, seek qualified evaluation.

Eye Contact: Irrigate immediately with large quantity of water for at least 15 minutes. Call a physician if irritation develops.

Inhalation: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

Skin Contact: Flush with plenty of water for at least 15 minutes. Call a physician if irritation develops.

Ingestion: Dilute with water or milk. Do not induce vomiting. Call a physician if necessary.

Section 5: Fire Fighting Measures

Flash Point: Not Available.

LFL: Not Available.

Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Fire & Explosion Hazards: Not considered to be a fire or explosion hazard.

Fire Fighting Instructions: Use normal procedures/instructions.

Fire Fighting Equipment: Use protective clothing and breathing equipment appropriate for the surrounding fire.

Method Used: Not Available.

UFL: Not Available.

Section 6: Accidental Release Measures

Absorb the spill with suitable material. Neutralize with dilute acid solution, then flush to drain with excess water if allowed by local regulations. Always dispose of in accordance with local, state and federal regulations.

Section 7. Handling and Storage

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage. Do not mix with acids.

Safety Storage Code: General

Section 8: Exposure Control/Personal Protection

Engineering Controls: No specific controls are needed. Normal room ventilation is adequate.

Respiratory Protection: Normal room ventilation is adequate.

Skin Protection: Chemical resistant gloves.

Eye Protection: Safety glasses or goggles.

Section 9: Physical and Chemical Properties

Appearance: Clear, colorless liquid

Odor: Odorless

Solubility in Water: Infinite

Specific Gravity: Approximately 1

pH: >12

Boiling Point(°C): Approximately 100

Melting Point(°C): Approximately 0

Vapor Pressure: Not Applicable.

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.

Incompatibility: Strong acids, chlorinated Hydrocarbons, Acetone, metals such as aluminum, tin and zinc.

Hazardous Decomposition Products: Potassium Oxide, decomposition by reaction with certain metals releases flammable and explosive Hydrogen gas.

Hazardous Polymerization: Will not occur.



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Section 11. Toxicological Information

LD50, Oral, Rat: (Potassium Hydroxide) 273 mg/kg, details of toxic effects not reported other than lethal dose value. Irritation data: skin, rabbit: 50 mg/24H severe; eye, rabbit: 1 mg/24H moderate. Investigated as a mutagen (Potassium Hydroxide).

Section 12. Ecological Information

Ecotoxicological Information: No information found

Chemical Fate Information: No information found

Section 13. Disposal Considerations

Dilute with water, neutralize with dilute acid solutions, then wash the resulting solution down the drain with plenty of water if local regulations allow. Always dispose of in accordance with local, state and federal regulations.

Section 14. Transport Information

This product is not regulated by the DOT.

Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)

OSHA Status:The above items either do not contain any specifically hazardous material or the potentially hazardous material is present in such low concentration that the items do not present any immediate threat to health and safety. These items do not meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.

TSCA Status:All components of this solution are listed on the TSCA Inventory or are mixtures (hydrates) of items listed on the TSCA Inventory.

Sara Title III:

Section 302 Extremely Hazardous Substances:Not Applicable.

Section 311/312 Hazardous Categories:Acute, Chronic: Yes Fire, Pressure, Reactivity: No

Section 313 Toxic Chemicals:Not Applicable.

California: None Reported.

Pennsylvania: Potassium Hydroxide is listed as an Environmental Hazard on the state's Hazardous Substances List.

RCRA Status: Not Applicable.

CERCLA Reportable Quantity: Potassium Hydroxide - 1,000 pounds.

WHMIS: Not Applicable.

Section 16. Other Information

NFPA Ratings:

Health: 1 Flammability: 0 Reactivity: 0 Special Notice Key:None

HMS Ratings:

Health: 1 Flammability: 0 Reactivity: 0 Protective Equipment:B (Protective Eyewear, Gloves)

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently



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