



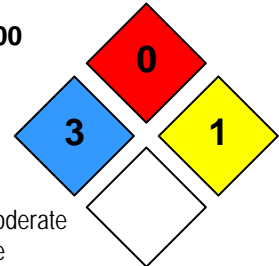
Colonial Chemical Solutions, Inc.

Material Safety Data Sheet – Potassium Hydroxide Flake

SECTION I - PRODUCT IDENTIFICATION

Manufacturers Address:
916 West Lathrop Avenue
Savannah, Georgia 31415

CHEMTREC – 24HR Emergency Telephone 1-800-424-9300
Information Phone: (912) 443-6702
Date Prepared: 19 Sept 08
Preparer: F.Spaeth



NFPA Rating

0- Minimal 1- Slight 2- Moderate
3- Serious 4- Extreme

Synonym: Caustic Potash, KOH, Lye
Chemical Family: Alkali

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS Number	%WT	TLV	PEL
Potassium Hydroxide	1310-58-3	100	2 mg/m ³	5 mg/m ³

SECTION III - HAZARDOUS IDENTIFICATION

Potential Acute Health Effects: Corrosive. Causes severe irritation and burns to every area of contact.

Potential Chronic Health Effects: No chronic information found.

SECTION IV - PHYSICAL and CHEMICAL PROPERTIES

Boiling Point Range: 175°F
pH: NA
Solubility In Water: Slightly
Appearance/Odor: White hygroscopic flake with no odor.
Melting Point/Freezing Point: 715 °F

Vapor Density (Air=1): N/A
Vapor Pressure (mmHg): N/A
VOC %: N/A
Specific Gravity (H₂O=1): 2.05

SECTION V - FIRE FIGHTING MEASURES

Flash Point: 2500 °F
Auto Ignition: N/A
Extinguishing Media: Material is not combustible.
Flammable Limits: Lower: N/A Upper: N/A
Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: This material melts at 715 °F hot molten material will react violently with water resulting in spattering and fuming.

SECTION VI - STABILITY AND REACTIVITY

Stability: Stable.
Conditions to Avoid: Keep water and moisture out of container.
Incompatibility: Avoid contact with acids, and metals such as aluminum, tin, galvanized zinc, brass, bronze, and strong oxidizing agents.
Hazardous Decomposition Products: None.
Hazardous Polymerization: Will not occur.



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SECTION VII - STORAGE AND HANDLING

Precautions To Be Taken In Handling and Storage: Always store in tightly sealed, properly labeled, original container. Store in a cool, dry well ventilated area. Wash thoroughly after handling.

Other Precautions: Avoid all sources of contamination.

SECTION VIII - HEALTH AND FIRST AID

Skin: Extremely corrosive to the skin.

Eyes: Extremely corrosive to the eyes.

Inhalation: Extremely corrosive to the entire respiratory tract.

Ingestion: Extremely corrosive to the mouth and throat.

FIRST AID PROCEDURES:

Eyes: Immediately Flush with large amounts of running water for at least 30 minutes. Get immediate medical attention.

Skin: Immediately Flush with large amounts of running water for at least 30 minutes. Get immediate medical attention.

Inhalation: For excessive inhalation remove to fresh air. If breathing is difficult seek medical attention.

Ingestion: DO NOT induce vomiting. Drink large amounts of water or milk. Get medical attention immediately.

SECTION IX - EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection: Chemical Goggles and full-face shield.

Respiratory Protection: An approved NIOSH dust respirator must be worn. In confined areas, use a self-contained breathing apparatus.

Skin Protection: Rubber gloves with gauntlets.

Ventilation: General Mechanical ventilation to prevent dust formation at point of use.

Protective Clothing: Alkali resistant slicker suit with rubber apron, gloves, boots with pants outside.

Other Equipment: Eye wash station and shower in close proximity for use.

SECTION X - ACCIDENTAL RELEASE MEASURES

Small Spill: Stop source of spill. Sweep up, preventing dust accumulation, into suitable container.

Large Spill: Shut off or plug source of spill. Shovel up as much material as possible into a DOT approved waste container.

Personal Protection in Case of Large Spill: Wear protective equipment and/or garments as described in Section IX as conditions warrant.

SECTION XI - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Avoid contaminating ground and surface water. Do not flush to drain.

Follow local, state and federal regulations approved for this material.



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SECTION XII · TRANSPORTAION

Proper Shipping Name: Potassium Hydroxide, Flake
Hazard Class: 8
UN Number: 1813
Packaging Group: II

SECTION XIII · TOXICOLOGY

Carcinogenicity: Not IARC or ACGIH listed.
Mutagenicity: No data available.
Reproductive: No data available.
Sensitization: No data available

SECTION XIV · REGULATORY

RMP/PSM: Not Listed.
CERCLA-RQ: 1000 Lbs
EPCRA 311/312: Yes
EPCRA 313: No
FIFRA: No documented information available.
RCRA-CODE: No Hazardous Waste Identification.
TSCA: Listed

SECTION XV · OTHER INFORMATION

The information contained on this Material Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive nor fully adequate in every circumstance. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, express or implied, of merchantability, fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.