

MSDS

Material Safety Data Sheet



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Potassium Hydroxide Solution, 10% w/v

SECTION 1 PRODUCT IDENTIFICATION

NAME: Potassium Hydroxide Solution, 10% w/v
EKI ORDER NUMBER: 10080
SYNONYMS: N/I
CAS NO: Does not apply
FORMULA: Does not apply
REVISION DATE: 30 April 2004

LABEL HAZARD STATEMENT AND PRECAUTIONS

DANGER! MAY BE FATAL IF SWALLOWED. CAUSES BURNS. Do not get on skin, in eyes, on clothing. Do not breathe mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

INGREDIENT/CAS NO	OSHA PEL	ACGIH TLV
Potassium Hydroxide/1310-58-3	N/E	2 mg/m3 CEIL

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: Miscible
VAPOR PRESSURE (mm Hg): N/E
SPECIFIC GRAVITY: N/E
EVAPORATION RATE: N/E
BOILING POINT (C): N/E
VAPOR DENSITY: N/E
MELTING POINT (C): N/E
APPEARANCE AND ODOR: Clear, colorless liquid. Odorless.

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT (C): Not combustible.
AUTOIGNITION TEMPERATURE (C): Does not apply.
FLAMMABLE LIMITS (%) UEL: Does not apply LEL: Does not apply
EXTINGUISHING MEDIA: Suitable for surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive-pressure mode.
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/I

SECTION 5 REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Excessive heat.

MATERIALS TO AVOID: Strong acids, aluminum, tin, zinc, chlorinated hydrocarbons, acetone.

HAZARDOUS DECOMPOSITION PRODUCTS: Potassium oxide.

HAZARDOUS POLYMERIZATION: Does not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE

INHALATION: Causes irritation. May cause burns.

SKIN CONTACT: Causes irritation. May cause burns.

EYE CONTACT: Causes severe irritation. May cause burns.

SKIN ABSORPTION: N/I

INGESTION: Causes severe irritation to mucous membranes. May cause burns. May cause perforation of esophagus or stomach.

CHRONIC: Dermatitis, respiratory disorders.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Skin or eye disorders, impaired kidney or respiratory function.

CARCINOGENICITY: None

****FIRST AID PROCEDURES****

GET IMMEDIATE MEDICAL ATTENTION

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes, separating eyelids occasionally.

SKIN CONTACT: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration.

INGESTION: Do NOT induce vomiting. If conscious, give large quantities of water to drink.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Ventilate area. Absorb with inert material and containerize for disposal.

WASTE DISPOSAL METHOD: Dispose in accordance with all applicable federal, state, and local environmental regulations.

STORAGE: Tightly closed in a cool place.

SECTION 8 CONTROL MEASURES

VENTILATION: Local or general.

RESPIRATORY PROTECTION: Mist respirator, if needed.

EYE PROTECTION: Chemical splash safety goggles and/or full face shield.

SKIN PROTECTION: Gloves, lab coat and impervious apron.

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