

# MSDS

# Material Safety Data Sheet



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## Potassium Hydroxide Solution, 20% w/v

### SECTION 1 PRODUCT IDENTIFICATION

NAME: Potassium Hydroxide Solution, 20% w/v  
EKI ORDER NUMBER: 10090  
SYNONYMS: N/I  
CAS NO: Does not apply  
FORMULA: Does not apply  
REVISION DATE: 8 July 2005

\*\*\*\*LABEL HAZARD STATEMENT AND PRECAUTIONS\*\*\*\*

DANGER! MAY BE HARMFUL OR 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	2 mg/m3 CEIL	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  
APPEARANCE AND ODOR: Clear, colorless liquid. Odorless.

BOILING POINT (C): N/E  
VAPOR DENSITY: N/E  
MELTING POINT (C): N/E

### 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 face piece operated in pressure-demand or other positive-pressure mode.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/I

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## SECTION 5 REACTIVITY DATA

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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.

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## SECTION 6 HEALTH HAZARD DATA

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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. If breathing is difficult, give oxygen.

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

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## SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

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STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Ventilate area and contain spill. Do not flush to sewer. Absorb with inert material and containerize for disposal. Residue may be neutralized with dilute acids such as acetic, sulfuric or hydrochloric.

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

STORAGE: Store tightly closed in a cool place.

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## SECTION 8 CONTROL MEASURES

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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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