

**MSDS****Material Safety Data Sheet**

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**Potassium Hydroxide Solution, 10% w/v**


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**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: 11 February 2008

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

WARNING. CAUSES IRRITATION. HARMFUL IF SWALLOWED. Avoid contact with skin, eyes and clothing. Avoid breathing 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 CHARACTERISTICS**

SOLUBILITY IN WATER: Miscible	BOILING POINT (C): N/E
VAPOR PRESSURE (mm Hg): N/E	VAPOR DENSITY: N/E
SPECIFIC GRAVITY: N/E	MELTING POINT (C): N/E
EVAPORATION RATE: 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 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.

SKIN CONTACT: Causes irritation.

EYE CONTACT: Causes severe irritation. May cause burns.

SKIN ABSORPTION: N/I

INGESTION: Causes irritation to mucous membranes.

CHRONIC: Dermatitis, respiratory disorders.

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

CARCINOGENICITY: Not listed by NTP, IARC or OSHA.

### \*\*\*\*FIRST AID PROCEDURES\*\*\*\*

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

SKIN CONTACT: Immediately flush with plenty of water for at least 15 minutes while removing contaminated garments. Get medical attention for persistent irritation.

INHALATION: Remove to fresh air. Get medical attention for any breathing difficulty.

INGESTION: DO NOT INDUCE VOMITING. If conscious, give several glasses of water to drink. Get immediate medical attention.

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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: Absorb with inert material and containerize for disposal.

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

STORAGE: Store tightly closed at 15-30C.

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## SECTION 8 CONTROL MEASURES

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VENTILATION: General

RESPIRATORY PROTECTION: Mist respirator, if needed.

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

SKIN PROTECTION: Gloves, lab coat.

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