

SAFETY DATA SHEET (SDS)

7N Potassium Hydroxide

Rev: A (05.15)

01. Product and Company Identification

Product Identifier:

Trade Name: 7N Potassium Hydroxide
Chemical Name: Potassium Hydroxide Solution
Catalog Number: 35061835 & 35061843
Part of Kits: 35061011, 35061126, 35060952
Use of chemical: Laboratory chemical

Identification of Manufacturer:

Manufacturer/Supplier: Biochemical Diagnostics, Inc.
 180 Heartland Blvd., Edgewood, NY 11717
 Phone: (631) 595-9200 | Fax: (631) 595-9204
Emergency telephone number: (800) 255-3924

02. Hazard(s) Identification

Classification of substance or mixture:

Acute toxicity, Oral (Category 3)
 Skin irritation (Category 2)
 Eye irritation (Category 2A)
 Acute aquatic toxicity (Category 3)
 Chronic aquatic toxicity (Category 3)
 Skin corrosion (Category 1A), Serious eye damage (Category 1)
Skin severe skin burns and eye damage

Label elements:
Hazard pictograms


Toxic

Irritant

Signal word: Danger

Hazard statements:

H301 Toxic if swallowed.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P233 Keep container tightly closed.
 P264 Wash skin thoroughly after handling.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection
 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Classification system:
NFPA ratings (scale 0 - 4)


Health = 3

Fire = 0

Reactivity = 1

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HMIS-ratings (scale 0 - 4)

HEALTH	3	Health = 3
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

03. Composition/information on ingredients

Chemical Characterization: Solution

CAS No. Description : 1310-58-3

Formula : 7N Potassium Hydroxide Solution in Water

Molecular weight : N/A

04. First aid measures

Description of first aid measures:
Inhalation: Remove to fresh air. Consult a physician.

Ingestion: Rinse mouth with water. Seek medical attention.

Skin Contact: Wash off with soap and plenty of water. Rinse with dilute vinegar.
Consult a physician.

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

05. Firefighting measures

Extinguishing media: Water spray, dry chemical, alcohol-resistant foam, or carbon dioxide.

Special Fire Fighting Procedures: Wear proper protective equipment w/Self contained breathing apparatus.

Unusual Fire and Explosion Hazards: Do not splash on skin.

06. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Avoid breathing vapors, mist or gas. Keep unprotected persons away. Ensure adequate ventilation.

Environmental precautions:

Prevent further leakage if safe to do. Do not allow to enter sewers/surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) and remove.



Waste Disposal Method:

Dispose in accordance with state, local and federal regulations

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07. Handling and storage
Handling:
Precautions for safe handling: Avoid contact with skin and eyes. Avoid inhalation.
Conditions for safe storage, including any incompatibilities:
Requirements to be met by storerooms and receptacles: Store in a cool location.
Further information about storage conditions: Keep receptacle tightly sealed. Store in well-ventilated, cool, dry conditions in well-sealed receptacles. Keep container upright to prevent leakage.
08. Exposure controls/ personal protection
Exposure Controls:
Control parameters: Components with limit values that require monitoring at the workplace: 1310-58-3 Potassium Hydroxide PEL Long-term value: 2 mg/m ³ REL Long-term value: 2 mg/m ³ TLV Short-term value: 2 mg/m ³
Personal protective equipment:
General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
Eye Protection:  Tightly sealed safety glasses or face shield.
Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact Protection of Hands:  Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Dispose of gloves after use.
Respiratory Protection: Use approved fume hood. If the exposure limit is exceeded, use NIOSH approved and tested full-face respirator that is independent of circulating air.
Ventilation: Keep vapor levels as low as possible, use adequate general or local exhaust.
09. Physical and chemical properties
Appearance:
Form: Liquid
Color: Colorless
Odor: Odorless
pH: 14
Melting Point: not available
Boiling Point: 1320°C/ 2408°F
Flash Point: no data available
Ignition temperature: no data available

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Explosion limits: Lower: no data available Upper: no data available
Vapor Pressure @ 20°C: no data available
Specific Gravity @ 20°C (68°F): 1.30 g/cm ³
Vapor Density: N/A
Percent Volatile: N/A
Evaporation Rate: N/A
Flammable Limits in air % by volume: Lel: N/A Uel: N/A
Solubility in/ Miscibility with Water@20°C: soluble

10. Stability and reactivity

Stability: Stable
Incompatibility: Water, strong acids, organic materials, metals, (zinc, tin, aluminum), combustible materials, carbon dioxide, water, carbon dioxide, organic materials
Conditions to Avoid: Moisture, heat
Hazardous Polymerization: Will not occur
Hazardous Decomposition: Hydrogen reacts producing hydrogen gas which can readily combust with oxygen.

11. Toxicological information

Acute toxicity: LD/LC50 values that are relevant for classification: Oral LD50 no data available Inhalation no data available Dermal LD50 no data available
Potential health effects: On the skin: Contact causes skin burns, inflammation. On the eye: Causes eye burns, inflammation. Inhalation: May produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Ingestion: Harmful if swallowed.

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