

## SAFETY DATA SHEET (SDS)

*Cannabuse Hydrolysis Reagent, 7N & 10N*

### 01. Product and Company Identification

**Product Identifier:**

**Trade Name:** Cannabuse Hydrolysis Reagent, 7N & 10N  
**Chemical Name:** Potassium Hydroxide Solution  
**Catalog Number:** 16002002, 16002015  
**Part of Kits:**  
**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:**

Corrosive to metals (Category 1)  
 Acute toxicity, Oral (Category 4)  
 Skin corrosion (Category 1)  
 Serious eye damage (Category 1)  
 Acute aquatic toxicity (Category 3)

**Label elements:**

**Hazard pictograms**



Corrosive      Irritant

**Signal word:** Danger

**Hazard statements:**

H290 May be corrosive to metals.  
 H302 Harmful if swallowed.  
 H314 Causes severe skin burns and eye damage.  
 H318 Causes serious eye damage.  
 H402 Harmful to aquatic life.

**Precautionary statements:**

P234 Keep only in original container.  
 P264 Wash skin thoroughly after handling.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection  
 P301 + P312 + P330 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.  
 P303 + P61 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P305+P351+P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

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<b>Classification system:</b>							
<b>NFPA ratings (scale 0 - 4)</b>							
	Health = 3 Fire = 0 Reactivity = 1						
<b>HMIS-ratings (scale 0 - 4)</b>							
<table border="1" style="border-collapse: collapse; width: 100px;"> <tr><td style="background-color: #0000FF; color: white;">HEALTH</td><td style="text-align: center;">3</td></tr> <tr><td style="background-color: #FF0000; color: white;">FIRE</td><td style="text-align: center;">0</td></tr> <tr><td style="background-color: #FFFF00; color: black;">REACTIVITY</td><td style="text-align: center;">0</td></tr> </table>	HEALTH	3	FIRE	0	REACTIVITY	0	Health = 3 Fire = 0 Reactivity = 0
HEALTH	3						
FIRE	0						
REACTIVITY	0						

### 03. Composition/information on ingredients

<b>Chemical Characterization:</b> Solution	
<b>CAS No. Description</b>	: 1310-58-3
<b>Formula</b>	: 7N or 10N Potassium Hydroxide Solution in Water
<b>Molecular weight</b>	: N/A

### 04. First aid measures

<b>Description of first aid measures:</b>
<p><b>Inhalation:</b> Remove to fresh air. If not breathing, give artificial respiration. Consult a physician.</p> <p><b>Ingestion:</b> Rinse mouth with water. Seek medical attention.</p> <p><b>Skin Contact:</b> Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Rinse with dilute vinegar. Consult a physician.</p> <p><b>Eye Contact:</b> Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.</p>

### 05. Firefighting measures

<b>Extinguishing media:</b> Water spray, dry chemical, alcohol-resistant foam, or carbon dioxide.
<b>Special Fire Fighting Procedures:</b> Wear proper protective equipment w/Self contained breathing apparatus.
<b>Unusual Fire and Explosion Hazards:</b> Do not splash on skin. Potassium oxides.

### 06. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures:</b> Wear protective equipment. Avoid breathing vapors, mist or gas. Keep unprotected persons away. Ensure adequate ventilation.
<b>Environmental precautions:</b> Prevent further leakage if safe to do. Do not allow to enter sewers/surface or ground water. Discharge into the environment must be avoided.
<b>Methods and material for containment and cleaning up:</b> Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.
<b>Waste Disposal Method:</b> 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 of vapor.

**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<sup>3</sup>

REL Long-term value: 2 mg/m<sup>3</sup>

TLV Short-term value: 2 mg/m<sup>3</sup>

**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:** 13.5

**Melting Point:** not available

**Boiling Point:** 1320°C/ 2408°F

**Flash Point:** no data available

**Ignition temperature:** no data available

**Explosion limits: Lower:** no data available

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<b>Upper:</b> no data available
<b>Vapor Pressure @ 20°C:</b> no data available
<b>Specific Gravity @ 20°C (68°F):</b> 1.45 g/cm <sup>3</sup>
<b>Vapor Density:</b> N/A
<b>Percent Volatile:</b> N/A
<b>Evaporation Rate:</b> N/A
<b>Flammable Limits in air % by volume:</b> <b>Lel:</b> N/A <b>Uel:</b> N/A
<b>Solubility in/ Miscibility with Water @ 20°C:</b> 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.

### 12. Ecological information

**Toxicity:** LC50 - *Gambusia affinis* (Mosquito fish) - 80 mg/l - 96 h.

**Persistence and degradability:** No data available.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** No data available.

**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

### 13. Disposal considerations

**Waste treatment methods**

**Product:**

Dispose of waste in accordance to applicable national, regional, or local regulations.

**Contaminated packaging:**

Disposal must be made according to official regulations.

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<b>14. Transport Information</b>
<b>UN Number:</b> 1814
<b>UN proper shipping name:</b> Potassium hydroxide, solution
<b>Transport hazard class(es):</b> 8
<b>Packing group:</b> II
<b>Environmental hazards:</b> Harmful to aquatic life
<b>Special precautions</b> None

<b>15. Regulatory Information</b>
<b>SARA 302 Components:</b> No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
<b>SARA 313 Components:</b> This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
<b>SARA 311/312 Hazards:</b> No data available

<b>16. Other Information</b>
<b>Revision B, June 2015</b>

*The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, we make no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, we will not be responsible for damages of any kind resulting from the use of or reliance upon such information.*

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