BIOCONNECTIONS
BRINDLEY COURT
VICTORIA BUSINESS PARK
KNYPERSLEY
ST8 7PP
Tel 01782 516010 Fax 01782 510733

PRODUCT SAFETY DATA SHEET

1: IDENTIFICATION

Catalog Number/Product Name: CK9860, Potassium Hydroxide 3%

Other Common Names: KOH 3%

Recommended Use/Restrictions: For in-vitro diagnostic use only by trained professionals.

Manufacturer/Supplier:
BioConnections
Brindley Court
Victoria Business Park
Knypersley
ST8 7PP

Phone Number: 01782 516010

Emergency Phone Number: None available

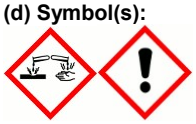
2: HAZARD(S) IDENTIFICATION

(a) Classification of the chemical:
Serious eye damage (category 1), H318
Skin corrosion (category 1A), H314

(b) Signal word:
DANGER.

(c) Hazard statement(s):
H318, Causes serious eye damage
H314, Causes severe burns and eye damage

(d) Symbol(s):



(e) Precautionary statement(s):
Do not eat, drink or smoke while using product
Wear protective gloves when handling product
Do not breath dust or vapours
Wash hands thoroughly after handling
Wash contaminated clothing before reuse
Store according to label directions

(f) Describe any hazards not otherwise classified that have been identified during the classification process:
No data available

3: COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Name	Common Name/Synonym	CAS Number	Concentration (%)
Potassium Hydroxide		1310-58-3	3% in water

4: FIRST-AID MEASURES

(a) Routes of Exposure:

Eyes: If splashed into eyes, rinse with water for 10 to 15 minutes. Keep eyelids open. Gently remove contact lenses if present and continue rinsing. If irritation persists, seek medical advice

Ingestion: Rinse mouth. Do NOT induce vomiting unless directed by medical personnel. Seek medical advice immediately. Contact poison control if necessary. Rinse mouth with water. Never give anything by mouth to an unconscious person

Inhalation: Remove victim to fresh air. If not breathing begin artificial respiration and seek medical advice immediately

Skin: Wash off with warm water and soap. Get medical attention if irritation develops and persists. Avoid touching contaminated clothing.

(b) Important symptoms/effects(acute and delayed): Refer to information in sections 2C and 11

(c) Indication of immediate medical attention and special treatment needed: No data available. Contact poison control and/or a physician. Treat symptomatically and supportively

5: FIRE-FIGHTING MEASURES

(a) Suitable (and unsuitable) extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

(b) Specific hazards arising from the chemical: Potassium oxides, in the event of fire or explosion do not breathe fumes

(c) Special protective equipment and precautions for fire-fighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6: ACCIDENTAL RELEASE MEASURES

(a) Personal precautions, protective equipment, and emergency procedures: Wear PPE and chemical resistant gloves. Keep unprotected people away.

(b) Methods and materials for containment and cleaning up: Liquid may be absorbed with a damp sponge or soaked into paper towels. Sand and soda ash may also be used. Discard according to local regulations.

7: HANDLING AND STORAGE

(a) Precautions for safe handling: Wear appropriate PPE

(b) Conditions for safe storage: Store according to label instructions. Store in a cool dry place at 2 to 8°C

8: EXPOSURE CONTROLS / PERSONAL PROTECTION

(a) OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

Chemical Name	OSHA PEL	ACGIH TLV
Potassium Hydroxide	(vacated) Ceiling:2mg/m^3	Ceiling:2mg/m^3

(b) Appropriate engineering controls: Eye bath. Safety shower.

(c) Individual protection measures, such as personal protective equipment:
Eye Protection: Safety glasses with side-shields, face shield.

Ingestion: Do not swallow. Product may cause permanent damage to the digestive tract: burns, perforation, irritation with abdominal pain, nausea, vomiting and diarrhea

Inhalation: Ensure adequate ventilation, especially in confined spaces. Product may cause respiratory tract damage if inhaled (chemical burns, ulceration, insomnia, nervous tremors with numb extremities, chemical pneumonia, unconsciousness and death).

Skin and Hand Protection: Wear protective gloves, safety glasses and long sleeved clothing. Causes skin burns. Prolonged or repeated skin contact may cause dermatitis

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Physical State: Liquid.
Color: Colorless.
Odor: No data available.
Odor Threshold: No data available.
pH: No data available.
Melting Point/Freezing Point: No data available.
Boiling Point/Boiling Range: No data available.
Flash Point: Not determined.
Evaporation Rate: No data available.
Flammability: No information available.
Upper and Lower Flammability/Explosive Limits: No data available.
Vapor Pressure: No data available.
Vapor Density: No data available.
Relative Density: No data available.
Solubility: Soluble in water.
Partition coefficient (n-octanol/water): No data available.
Auto-ignition Temperature: No data available.
Decomposition Temperature: No data available.
Viscosity: No data available.

10: STABILITY AND REACTIVITY

(a) Reactivity: Not determined.

(b) Chemical stability: Stable under normal conditions.

(c) Possibility of hazardous reactions: None under normal processing

(d) Conditions to avoid (e.g., static discharge, shock, or vibration): Not determined.

(e) Incompatible materials: Strong oxidising agents.

(f) Hazardous decomposition products: Thermal decomposition may lead to release of irritating gasses and vapours.

11: TOXICOLOGICAL INFORMATION

Description of the various toxicological (health) effects and the available data used to identify those effects, including:

(a) Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): No data available.

(b) Symptoms related to the physical, chemical and toxicological characteristics: No data available.

(c) Delayed and immediate effects and also chronic effects from short- and long-term exposure: No data available.

(d) Numerical measures of toxicity (such as acute toxicity estimates): No data available.

(e) Whether the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA: Not listed.

12: ECOLOGOICAL INFORMATION

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

13: DISPOSAL CONSIDERATIONS

Dispose as clinical waste

14: TRANSPORT INFORMATION

DOT Hazard Class: Class 8 corrosive substance
Shipping name: Potassium Hydroxide solution
Identification number: UN1814
Packing group: Group III

15: REGULATORY INFORMATION

This safety data sheet is produced in compliance with regulation (EC) No. 1907/2006.

16: OTHER INFORMATION

The above information, to the best of our knowledge, is accurate. BioConnections assumes no liability whatsoever for the accuracy or completeness of the information stated above. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards may be described, we cannot guarantee that these are the only hazards that exist.

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