



**INNOVATIVE  
CHEMICAL  
CORPORATION**

7769 95th Street South  
Cottage Grove, MN

## SAFETY DATA SHEET

**Revision Date:** 8/13/2015  
**Emergency Phone:** 1-800-535-5053 (Infotrac)

### Section 1: Identification

**Product Name:** Alkaline Beer Line Cleaner      **Code:** 98PAB00  
**Chemical Type:** Liquid      **Manufacturer/Supplier:**  
Innovative Chemical Corporation  
7769 95th Street South  
Cottage Grove, MN 55016  
651-649-1762

### Section 2: Hazard(s) Identification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 5
Acute toxicity - Dermal	Not classified
Skin corrosion/irritation	Category 1 Sub-category A
Serious eye damage/eye irritation	Category 1

#### Label elements

**Signal word:** Danger  
**Hazard statements:** May be harmful if swallowed  
Causes severe skin burns and eye damage



#### Precautionary Statements

**Prevention:** Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection

**Response:** Immediately call a POISON CENTER or doctor/physician. Specific Treatment (See Section 4 on the SDS). 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. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

**Storage:** Store locked up

**Disposal:** Dispose of contents/container to an approved waste disposal plant  
**Unknown Acute** 4% of the mixture consists of ingredient(s) of unknown toxicity  
**Toxicity:**

### Section 3: Composition/Information on Ingredients

#### CAS number/other identifiers

Hazardous Components		
Chemical Name	%weight	CAS
Water	60-100	7732-18-5
Potassium Hydroxide	10-30	1310-58-3
Sodium Carbonate	1-5	497-19-8
Sodium Hydroxide	15-30	1310-73-2

Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational limits, if available are listed in Section 8.

### Section 4: First-Aid Measures

#### Description of first aid measures

<b>General advice</b>	Immediate medical attention is required.
<b>Skin Contact</b>	Immediate medical attention is required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Eye contact</b>	Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.
<b>Inhalation</b>	Remove to fresh air. Call a physician or poison control center immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
<b>Ingestion</b>	Immediate medical attention is required. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Remove from exposure, lie down. Clean mouth with water and drink afterwards plenty of water. Call a physician or poison control center immediately.
<b>Self-protection of the first aider</b>	Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

#### Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	Any additional important symptoms and effects are described in Section 11: Toxicology Information.
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#### Indication of any immediate medical attention needed

<b>Notes to Physician</b>	Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat symptomatically.
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See toxicological information (Section 11)

## Section 5: Fire-Fighting Measures

### Extinguishing media

<b>Suitable extinguishing media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	Caution: Use of water spray when fighting fire may be inefficient.
<b>Specific hazards arising from the chemical</b>	The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire and/or explosion do not breathe fumes.
<b>Explosion data</b>	<b>Sensitivity to Mechanical Impact:</b> None.
	<b>Sensitivity to Static Discharge:</b> None.
<b>Protective equipment for fire-fighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Evacuate personnel to safe areas. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak.
<b>Environmental precautions</b>	Do not allow into any sewer, on the ground or into any body of water. Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains. Dam up. After cleaning, flush away traces with water.

## Section 7: Handling and Storage

### Precautions for safe handling

<b>Advice on general occupational hygiene</b>	Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation and in closed systems.
<b>Storage Conditions</b>	Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.
<b>Incompatible materials</b>	Incompatible with strong acids and bases. Incompatible with oxidizing agents.

## Section 8: Exposure Controls/Personal Protection

### Control parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Hydroxide	Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup> 8 hours.	Ceiling: 2 mg/m <sup>3</sup>

Potassium Hydroxide	Ceiling: 2 mg/m <sup>3</sup>	(vacated) Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>
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NIOSH IDLH *Immediately Dangerous to Life or Health*

<b>Other Information</b>	Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962
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### Appropriate engineering controls

<b>Engineering Controls</b>	Showers, Eyewash stations & Ventilation systems.
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### Individual protection measures

<b>Eye/face protection</b>	Tight sealing safety goggles. Face protection shield.
<b>Skin and body protection</b>	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
<b>General Hygiene</b>	When using do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Take off all contaminated clothing and wash it before reuse. Wear suitable gloves and eye/face protection.

## Section 9: Physical and Chemical Properties

<b>Physical state</b>	Liquid
<b>Color</b>	Clear
<b>Odor</b>	None Added
<b>Odor threshold</b>	No Information available
<b>pH</b>	14
<b>Specific Gravity</b>	1.2 - 1.25
<b>Viscosity</b>	< 25 cP @ 25°C
<b>Melting point/freezing point</b>	No Information available
<b>Flash point</b>	None
<b>Boiling point / boiling range</b>	212 ° F
<b>Evaporation rate</b>	No Information available
<b>Flammability (solid, gas)</b>	
<b>Flammability Limits in Air</b>	
<b>Upper flammability limit:</b>	Not Applicable
<b>Lower flammability limit:</b>	Not Applicable
<b>Vapor pressure</b>	No Information available

**Vapor density** No Information available  
**Water solubility** Complete  
**Partition coefficient** No Information available  
  
**Autoignition temperature** No Information available  
**Decomposition temperature** No Information available  
**Density Lbs/Gal** 10.2  
**VOC Content (%)** Not Applicable

**Section 10: Stability and Reactivity**

**Reactivity:** No data available  
**Chemical stability:** Stable under recommended storage conditions.  
**Possibility of hazardous reactions:** None under normal processing.  
**Conditions to avoid:** Exposure to air or moisture over prolonged periods.  
**Incompatible materials:** Incompatible with strong acids and bases. Incompatible with oxidizing agents.  
**Hazardous decomposition products:** Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**Section 11: Toxicological Information**

**Information on likely routes of exposure**

<b>Product Information</b>	The primary effects and toxicity of this material are due to its corrosive nature.
<b>Inhalation</b>	Breathing of vapor can cause respiratory irritation and inflammation. Breathing of mist or liquid can cause burns to the respiratory tract.
<b>Eye contact</b>	Avoid contact with eyes. Corrosive to the eyes and may cause severe damage including blindness.
<b>Skin Contact</b>	Corrosive. Contact with skin may cause severe irritation and burns.
<b>Ingestion</b>	May be harmful if swallowed. Ingestion causes acute irritation and burns to the mucous membranes of the mouth, trachea, esophagus and stomach.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Potassium Hydroxide	= 284 mg/kg ( Rat )	Yes	Yes

**Irritation/Corrosion**

Ingredient name	Result	Species	Score	Exposure	Observation
sodium hydroxide	Eyes - Severe irritant	Monkey	-	24 hours 1 Percent	-
	Eyes - Mild irritant	Rabbit	-	400 Micrograms	-
	Eyes - Severe irritant	Rabbit	-	24 hours 50 Micrograms	-
	Eyes - Severe irritant	Rabbit	-	1 Percent	-
	Eyes - Severe irritant	Rabbit	-	0.5 minutes 1 milligrams	-
	Skin - Mild irritant	Human	-	24 hours 2 Percent	-
	Skin - Severe irritant	Rabbit	-	24 hours 500 milligrams	-

**Information on toxicological**

Symptoms No Information available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Sensitization No Information available.

Germ cell mutagenicity No Information available.

Carcinogenicity No Information available.

Reproductive toxicity No Information available.

STOT - single exposure No Information available.

STOT - repeated exposure No Information available.

**Chronic toxicity**  
Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risk of irreversible effects.

**Target organ effects** EYES, Respiratory system, Skin.

Aspiration hazard No Information available.

**Numerical measures of toxicity - Product Information****Unknown Acute Toxicity** 4% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

**Section 12: Ecological information****Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium Hydroxide	-	Acute LC50 125 ppm Fresh water - Gambusia affinis - Adult Chronic NOEC 56 mg/l Marine water - Poecilia reticulata - Young	Acute EC50 40.38 mg/l Fresh water - Ceriodaphnia dubia - Neonate
Potassium Hydroxide	Yes	80: 96 h Gambusia affinis mg/L LC50 static	Yes

**Persistence and degradability**

Not available.

**Bioaccumulative potential**

Not available.

Chemical Name	Partition Coefficient
Potassium Hydroxide	0.83

**Other adverse effects**

Not available.



**SARA 311/312 Hazard Categories**

Acute health hazard	Yes.
Chronic Health Hazard	Yes.
Fire hazard	No.
Sudden release of pressure hazard	No.
Reactive Hazard	No.

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Potassium Hydroxide	1000 lb	Yes	Yes	X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Potassium Hydroxide	1000 lb	Yes	RQ 1000 lb final RQ RQ 454 kg final RQ

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium Hydroxide	X	X	X
Potassium Hydroxide	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number	Not Applicable
EPA Statement	Not Applicable

**Section 16: Other information**

**Hazardous Material Information System (U.S.A.):**

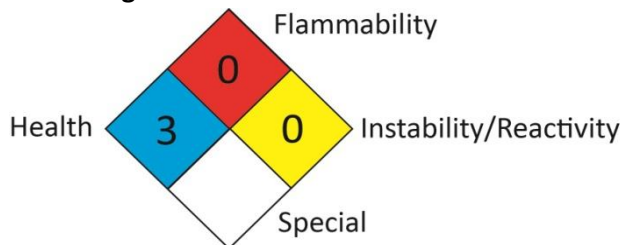


Health	*3
Flammability	0
Physical hazards	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J.J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association:



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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 are described herein, we cannot guarantee that these are the only hazards that exist