

**SAFETY DATA SHEET**

This SDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

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**Section 1 - Product & Company Identification**

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**Product identifier**

Product name: HIGH ALKALINE CONCENTRATED BEER LINE CLEANER

Product form: Liquid

Other means of identification: TLH640

Relevant identified uses of the substance or mixture: Cleaner

**Details of the supplier of the safety data sheet**

Distributor:

Foxx Equipment, 421 Southwest Blvd., Kansas City, MO 64108

Phone: 816-421-3600

Manufacturer:

Diversified Chemical Products, Inc. 4124 B NW Riverside Street, Riverside, MO 64150

Phone: 816-472-5515

**Emergency telephone number**

Emergency number : CHEMTREC: 1-800-424-9300

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**Section 2 – Hazards Identification**

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**Classification**

Skin corrosion/ irritation (Category 1A)

Serious eye damage / eye irritation (Category 1)

Acute toxicity-Oral (Category 4)

Acute aquatic toxicity (Category 3)

Corrosive to metals (Category 1)

Pictogram



**Signal Word**

**Danger**

**Hazard Statements**

May be corrosive to metals.

Harmful if swallowed.

Causes severe skin burns and eye damage.

Causes serious eye damage.

Harmful to aquatic life.

**Precautionary Statements – Prevention**

Keep container tightly closed.  
Do not breathe fume/mist/vapors/spray.  
Wash face, hands and any exposed skin thoroughly after handling  
Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.  
IF ON SKIN: Take off contaminated clothing and wash before reuse. Wash with plenty of soap and water.  
IF SWALLOWED: Rinse mouth, do not induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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**Section 3 –Composition/Information on ingredients**

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Mixture

Name	CAS#	Weight %
Potassium Hydroxide	1310-58-3	70-80

Any concentration shown as a range is to protect confidentiality or is due to process variation.

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**Section 4 – First Aid Measures**

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**First Aid Measures**

**Inhalation:** Remove to fresh air. If breathing stops, provide artificial respiration. If symptoms persist, call a physician.  
**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention. Continue rinsing during transport to hospital.  
**Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Immediately consult a physician.  
**Skin Contact:** Remove contaminated clothing, wash with soap and plenty of water. Get medical attention.

**Most Important Symptoms and Effects, both Acute and Delayed**

**Symptoms**  
May cause skin corrosion and serious eye damage.

**Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians:** Treat symptomatically.

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## Section 5 – Fire Fighting Measures

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### **Suitable Extinguishing Media**

Water spray, alcohol resistant foam, dry chemical or carbon dioxide.

### **Unsuitable Extinguishing Media**

Not determined.

### **Specific Hazards Arising from the Chemical**

Fire or excessive heat may produce hazardous decomposition products. Potassium oxide.

### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH (approved or equivalent) and full protective gear.

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## Section 6 –Accidental Release Measures

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### **Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Use personal protective equipment as required. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe area.

### **Methods and Material for Containment and Cleaning Up**

**Methods for Containment:** Prevent further leakage or spillage if safe to do so. Prevent discharge to the environment, municipal sewers.

**Methods for Cleaning Up:** Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

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## Section 7 – Handling & Storage

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### **Precautions for Safe Handling**

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

### **Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place.

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## Section 8 – Exposure Controls/ Personal Protection

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### **Exposure Guidelines**

<b><u>Chemical Name</u></b>	<b><u>CAS #</u></b>	<b><u>ACGIH TLV</u></b>	<b><u>OSHA PEL</u></b>	<b><u>NIOSH</u></b>
Potassium Hydroxide	1310-58-3	2 mg/m <sup>3</sup> ceiling	None determined	None determined

### **Appropriate Engineering Controls**

**Engineering Controls:** Provide adequate ventilation, eyewash stations.

### **Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection:** Wear approved safety goggles where a splash hazard exists.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice.

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## Section 9 – Physical & Chemical Properties

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### Information on Basic Physical and Chemical Properties

<b>Physical State</b>	Liquid
<b>Color</b>	Colorless
<b><u>Property</u></b>	<b><u>Values</u></b>
pH	12- 13
Melting Point/Freezing Point	No data available
Boiling Point/Boiling Range	100 ° C (212 ° F)
Flash Point	>200 ° F
Evaporation Rate	No data available
Flammability (Solid,Gas)	n/a-liquid
Upper Flammable Limits	No data available
Lower Flammable Limits	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	1.34
Water Solubility	Soluble in Water
Solubility in Other Solvents	No data available
Partition Coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Kinematic Viscosity	No data available
Dynamic Viscosity	No data available
Explosive Properties	Not an Explosive
Oxidizing Properties	No data available
Odor	None
Odor Threshold	No data available

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## Section 10 – Stability & Reactivity

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### **Reactivity**

Mildly reactive. Reactivity with water is exothermic.

### **Chemical Stability**

Stable under recommended storage conditions.

### **Possibility of Hazardous Reactions**

No data available

### **Conditions to Avoid**

No data available

### **Incompatible Materials**

Water, acids, metals, organic materials.

### **Hazardous Decomposition Products**

No data available

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## Section 11 - Toxicological information

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### Information on Likely Routes of Exposure

#### **Product Information**

**Inhalation:** Avoid breathing vapors or mists.

**Eye Contact:** Causes serious eye irritation

**Skin Contact:** Avoid contact with skin.

**Ingestion:** May be harmful if swallowed.

This product as a whole has not been tested for acute toxicity; the following is based on component data:

Chemical Name	CAS #	Oral LD50	Dermal LD50	Inhalation LC50
Potassium Hydroxide	1310-58-3	No data available	No data available	No data available

Chemical Name	Potassium Hydroxide
Skin corrosion/irritation	Severe skin burns
Serious eye damage/irritation	Serious eye damage
Respiratory or skin sensitization	No data available
Mutagenicity	No evidence
Carcinogenicity	No evidence
Reproductive toxicity	No evidence
Specific target organ toxicity-Single exposure	No data available
Specific target organ toxicity-repeated exposure	No data available
Aspiration hazard	No data available

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

**Carcinogenicity:** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical Measures of Toxicity:** Not determined

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## Section 12 - Ecological information

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### Ecotoxicity

There is no data available for this product as a whole.

Chemical Name	CAS #	Algae/aquatic plants	Fish	Aquatic invertebrates
Potassium Hydroxide	1310-58-3	No data available	96 Hr LC50 gambusia affinis 80 mg/l [static]	No data available

**Persistence and Degradability** No data available

**Bioaccumulation** No data available

**Mobility** No data available

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**Section 13 - Disposal considerations**

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**Waste Disposal Method**

Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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**Section 14 - Transport information**

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**DOT Proper Shipping Description:**

**Bulk or Non-Bulk:** NA1760, Compounds, cleaning liquid, (Potassium Hydroxide), 8, PG II

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**Section 15 - Regulatory information**

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**SARA Title III Section 311/312 (40CFR370):** Acute health hazard

**SARA Title III Section 313 (40CFR372):** This product does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by section 313 of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372

**RCRA Status (40CFR261.33):** No reportable components.

**TSCA Inventory Status:** Reported/included

**OSHA/NTP/IARC Carcinogen Status:** Not listed

**Canadian DSL Status:** Reported/included

**Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:**

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Potassium Hydroxide	X	X	X

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**Section 16 - Other information**

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**HMIS ratings:**Health: 3      Flammability: 0      Reactivity: 1

Indication of changes:      Revision – 2 Revised section 15

Date Sheet Prepared: 05/23/2019      Other information:      Author – EHS Administrator

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The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representations or warranty's, either express or implied of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder. The manufacturer shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.

**END OF SDS**