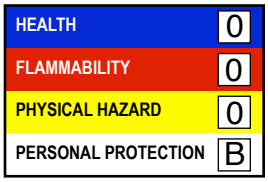
626 NW Valley Ridge Court
Grain Valley, MO 64029
816-867-2054

Safety Data Sheet

SECTION I. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product: HEG-SAFE BREWERY ACID CLEANER
General Description: Non Hazardous Organic Compound
Revision Date: 8/01/26
For General Information Call: 1-877-797-2811



Rating Scale
4 - Extreme
3 - High
2 - Moderate
1 - Light
0 - Insignificant

SECTION II. HAZARD IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE
Product Definition: Mixture

Classification per Regulation (EC) No 1272/2008 [CLP]: Not Classified

LABEL ELEMENTS (EC) No 1272/2008 [CLP]
Labeling Per Regulation
Hazard Symbols: Non allocated
Signal Word: Non allocated
Hazard Statement(s): Non allocated

SECTION III. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Weight - %
Water	7732-18-5	20-30
HCL Replacement	Proprietary	70-80
Colorant	493-52-7	<2

Proprietary ingredient is non-toxic and meets the FDA U.S. federal regulation 21 CFR 170.3 definitions as a GRAS (Generally Recognized As Safe) ingredient which can be used as a food ingredient. There are no additional ingredients present which, within the current knowledge of the manufacturer and in the concentrations applicable, classified as hazardous to the health or environment thus do not require reporting in this section.

SECTION IV. FIRST-AID MEASURES

EMERGENCY OVERVIEW

Potential Health Effects
Inhalation: May cause respiratory tract irritation. Low hazard for usual industrial handling.
Eye: May cause eye irritation.
Skin: May cause skin irritation. Low hazard for usual industrial handling.
Ingestion: Ingestion of large amounts may cause gastrointestinal irritation. Low hazard for usual industrial handling.
Chronic: No information found.

FIRST AID MEASURES

INHALATION: Remove to fresh air, if symptoms persist, seek medical attention.

EYES: Flush with water for at least 15 minutes while holding eyelids open. Call a physician if irritation persists. If worn, remove contacts after first 5 minutes.

SKIN: Remove contaminated clothing. Wash exposed area with soap and water for at least 15 minutes. Launder clothes before reuse. Call a physician if rash or other symptoms develop.

INGESTION: If ingested, may cause loose stools. Drink plenty (2-3 glasses) of water and immediately consult a physician. Do not induce vomiting.

SECTION V. FIRE-FIGHTING MEASURES

Flash Point: N/A
Lower Explosive Limit: N/A
Upper Explosive Limit: N/A
Extinguishing Media: N/A
Unusual Fire and Explosion Hazards: None

SECTION VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Methods For Containment: Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
Methods For Cleaning Up: Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or waterways. Never return spills in original containers for re-use. Product can be neutralized with water or soda ash in accordance to local, state and federal regulations. Always sample spill and calculate via titration the proper amount of neutralizing material to be used to properly neutralize.

SECTION VII. HANDLING AND STORAGE

General Handling and Storage Precautions: As with all chemical products and material, take care as to where and how you store them.
Shelf Life: No known limit. Recommended: Use within 1 year.
Special Sensitivity: None
Storage and Other Precautions: For increased shelf life keep in a closed container away from incompatible materials.

SECTION VIII. EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory Protection: Not normally required.
Ventilation: Normal ventilation is generally adequate.
Protective Equipment: As with any chemical, care should be taken as not to get anything in the eyes. Safety glasses or goggles are suggested for use.

SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

PROPERTIES EVALUATED AT AMBIENT TEMPERATURE

Appearance: Colorless to Slight Yellow Liquid
Odor: Odorless to Mild Soapy Odor
Specific Gravity: Not known
pH Neat: <1
Initial Boiling Point: 212˚F (100˚C)
Flash Point: N/A
Solubility: Complete/100%

Other Data: These physical properties are typical for this product and not specifications. No other data available.

SECTION X. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.
Conditions To Avoid: Incompatible materials.
Incompatibilities with Other Materials: Do not mix with bases or strong oxidizing agents.
Hazardous Polymerization: Will not occur.

SECTION XI. TOXICOLOGICAL INFORMATION

LD50: Oral, rat: LD%) = 3240 mg/kg
Carcinogenicity: Not listed by ACGIH, IARC, NTP, or CA Prop 65.
Epidemiology: No information available.
Teratogenicity: No information available.
Reproductive Effects: No information available.
Mutagenicity: No information available.
Neurotoxicity: No information available.
Other Studies: N/A

SECTION XII. ECOLOGICAL INFORMATION

Ecological Studies: Test Procedure: Hach Reactor Digestion method for Waste Water and Sea Water. Hach Reactor Digestion Method is a semi-micro adaptation of the Standard Methods. Test Results Conclude Product was found to be 100% Biodegradable COD = 11,000 ml/L, BOD = 150 mg/L @ 5 days and 170 mg/L @ 10 days.

SECTION XIII. DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

SECTION XIV. TRANSPORT INFORMATION

This material is not regulated for transport. **Marine Pollutant:** This product is not a marine pollutant.

The proper shipping name and/or hazard class for this product may vary according to packaging, properties and mode of transportation. Customer is urged to consult 49 CFR 100-177, IMDG, IATA, EC, United Nations TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods. Typical proper shipping names for this product are:

US Department of Transportation (DOT): Non-Regulated as a Hazardous Material.
Canadian TDG (Transportation of Dangerous Goods): Not Regulated as a Hazardous Material.
IMO (Water Transportation): Not Regulated as a Hazardous Material.
IATA (Air Transportation): Not Regulated as a Hazardous Material.
Rail: Not Evaluated

SECTION XV. REGULATORY INFORMATION

US FEDERAL
TSCA: All components of this product are listed on the TSCA inventory.
Health & Safety Reporting List: None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules: Non of the chemicals in this product are under Chemical Test Rule.
Section 12b: None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and corresponding RQs: None of the chemicals in this material have an RQ.
SARA Section302 Extremely Hazardous Substances: None of the chemicals in this product have a TPQ.
Section 313: No chemicals are reportable under Section 313.
Clean Air Act: This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.
Clean Water Act: None of the chemicals in this product are listed as Hazardous Substances under the CWA.
None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.
OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.
STATE: This chemical is not present on state lists from CA, PA, MN, MA, FL, or NJ.
CALIFORNIA PROP 65: California No Significant Risk Level: None of the chemicals in this product are listed.

EUROPEAN/INTERNATIONAL REGULATIONS
EUROPEAN LABELING IN ACCORDANCE WITH EC DIRECTIVES

European Economic Community
Classification per Directive 67/548/EEC or 1999/45/EC: Not Classified.
Risk Phrases: None allocated.
Safety Phrases: S2-Keep out of reach of children, S24/25 Avoid contact with skin and eyes.
WGK, Germany (Water danger/protection): No data available

Canada - DSL/NDSL: This product is listed on Canada's DSL List.
Canada - WHMIS: WHMIS: Not available.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.
Canadian Ingredient Disclosure List

SECTION XVI. OTHER INFORMATION

The information accumulated herein is believed to be accurate based on the information provided, although no guarantee or warranty, either expressed or implied is made as to the accuracy or completeness of this information, whether originating with this company or not. Recipients are advised to confirm in advance of need that the information is correct, applicable and suitable to their circumstances. The conditions or methods of handling, storage, use and disposal of the product and container are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage or use of this information or product. If the product is used as a component in another product, this information may not be applicable.