Beverage Line Cleaner
SAFETY DATA SHEET

Section 1. IDENTIFICATION

Beverage Line Cleaner

Description/Use: Heavy Duty Beer Line Cleaner **Product Codes:** 4-300-05000

Business Name: Zexa
Address: 28 Strathmore Road, Caves Beach NSW 2281
Phone: +61 2 4970 7777 **Fax:** + 61 2 9475 4880
Email: sales@zexa.com.au **Website:** www.zexa.com.au

Issue Date: 3rd October 2021 **Review Date:** 3rd October 2026

Use only according to directions on product spec sheet and label.

Poisons Information Centre: Australia 13 11 26 NZ: 0800 764 766

Section 2. HAZARDS IDENTIFICATION

Statement of Hazardous Nature
This material is classified as hazardous according to the health criteria of Safe Work Australia (SWA).

SUSMP Classification: S6
ADG Classification: Class 8: Corrosive Liquid, N.O.S.
UN Number: 1824, SODIUM HYDROXIDE SOLUTION

GHS Signal word: DANGER

Corrosive to metals Category 1
Skin Corrosion /Irritation Category 1C
Eye Damage Category 1
Specific Target Organ Toxicity – Not classified

HAZARD STATEMENT:

H290: May be corrosive to metals.
H314: Causes severe skin burns and eye damage.

PREVENTION:

P102: Keep out of reach of children.
P103: Read label before use.
P260: Do not breathe fumes, mists, vapours or spray.
P264: Wash contacted areas thoroughly after handling.
P280: Wear protective gloves, protective clothing and eye or face protection.

RESPONSE:

P101: If medical advice is needed, have product container or label at hand.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTRE or doctor/physician.

STORAGE:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

DISPOSAL:

See Section 13 of this SDS.

Section 3. COMPOSITION INFORMATION

Ingredients (mg/m^3)	CAS No	Conc,%	TWA (mg/m^3)	STEL
Potassium Hydroxide solution	1310-58-3	10-40	Not set	Not set
Tetrasodium Tetrahydrate Salt	13235-36-4	0 -20	Not set	Not set

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4. FIRST AID

Inhalation: Move victim to fresh air. If symptoms develop, seek medical advice.

Swallowed: Flush mouth with water. DO NOT induce vomiting. Get immediate medical attention. For advice, call the POISONS INFORMATION CENTRE PH: 13 11 26 (Australia Only)

Eye Contact: Immediately rinse with plenty of water for at least 15 minutes, holding eyelids open. Remove contact lenses if present and easy to do. Continue rinsing. For advice, call the POISONS INFORMATION CENTRE PH: 13 11 26 (Australia Only)

Skin Contact: Wash skin with plenty of water. Remove contaminated clothing and wash before reuse.

Symptoms caused by exposure: Irritating and burning sensation after contact.

Medical attention and special treatment: No Specific treatment. Treat symptomatically.

Section 5. FIRE FIGHTING MEASURES

This product is not flammable under the conditions of storage and use and does not support combustion.

Extinguishing Media: Use the extinguisher appropriate to the principal fire hazard or to the source of the fire.

Specific Hazards: None known.

H**azardous Combustion Products:** If this product is involved in a fire, the water contained in it may evaporate, leaving a residue which may combust. During combustion, the residue may produce carbon monoxide as well as other unidentifiable organic compounds.

Protective Equipment: Fire fighters are to wear protective equipment appropriate to the principal fire hazard or the source of the fire. No special protective equipment required if this product is involved in a fire.

Flash Point: This product will not flash and does not support combustion.

Flammability: This product is not flammable under the conditions of use and does not support combustion.

Section 6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal

Note: spillages are slippery. Wear appropriate protective equipment. Cordon off the spillage area. Isolate the source of the spillage or leak. Contain the spillage using a suitable non-flammable absorbent material such as sand or diatomaceous earth and then transfer into sealed plastic containers for disposal.

Section 7. HANDLING AND STORAGE

Store in plastic containers in a clean, dry, cool, well ventilated place away from foodstuffs. Keep containers sealed when not in use. It is recommended that this product be dispensed through approved dispensers.

This material is classified as a Class 8 Corrosive as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.

This material is a Poison Schedule 6 (Danger) and must be stored, maintained and used in accordance with the relevant regulations.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure

No value assigned by NOHSC for any ingredients used in this product. The following ingredients have been listed with an OEL as per SWA – Work Exposure Standards for Airborne Contaminants.

Ingredients	CAS No	Conc,%	TWA (mg/m^3)	STEL (mg/m^3)
Sodium hydroxide solution	1310-73-2	20-50	Not set	Not set

Not required under normal conditions of use. Wear chemical goggles if handling large amounts and if splashing is likely to occur.

Engineering Controls
Natural ventilation adequate under normal conditions of use.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid.	Colour:	Colourless
Flashpoint (ºC):	Not applicable	Boiling Point (ºC):	102°C
Flammability Limits (%):	Not flammable	Vapour Pressure:	Not available
Water Solubility:	Complete	Specific Gravity:	1.12
Odour	None	pH:	13-14

Section 10. STABILITY AND REACTIVITY

Reactivity: Hazardous polymerization will not occur.

Stability: Considered stable. For extended storage life, store below 30°C and keep out of direct sunlight.

Hazardous Polymerisation: Will not occur.

Materials to Avoid: Strong oxidising agents. Acids.

Conditions to Avoid: No known conditions to avoid.

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Section 11. TOXICOLOGICAL INFORMATION

Information on Route of Exposure Acute Toxicity:

Ingestion: No effects known
Eye Contact: No effects known
Skin Contact: No effects known
Inhalation: In large amounts can cause headache, nausea and mucous membrane irritation
Skin Corrosion/Irritation: Not classified
Serious Eye Damage/Irritation: Not classified
Respiratory or Skin Sensitisation: Not classified
Germ Cell Mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (STOT) – Single Exposure: Not classified
Specific Target Organ Toxicity (STOT) – Repeated Exposure: Not classified
Aspiration Hazard: Not classified
Immediate, Delayed or Chronic Health Effects From Exposure: None known

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity: No product data available.
Persistence and Degradability: Not readily biodegradable.
Bioaccumulative Potential: Low bioaccumulation potential.
Mobility in Soil: Low sorption to soil/sediment, moderate migration to ground water. (Estimated Log KOC value (EpiSuite 4.1 KOCWIN) <1)

Section 13. DISPOSAL CONSIDERATIONS

Disposal methods: Refer to Waste Management Authority. Dispose of contents/container in accordance with Local/regional/national/international regulations.

Section 14. TRANSPORT INFORMATION

Classified as Dangerous Goods by the criteria of the "Australian Dangerous Goods Code for transport by Road and Rail"

UN Number: 1814, Potassium Hydroxide solution

Hazchem Code: 2R
Special Provisions: 274
Dangerous Goods Class: Class 8: Corrosive Substances.
Packing Group: II
Emergency Response Guide No: 37
Proper Shipping Name: Potassium Hydroxide solution
Packing Instruction: P001, IBC02

Note 1: Concentrated strong alkalis are incompatible with concentrated strong acids.
Note 2: Concentrated strong acids are incompatible with concentrated strong alkalis.
Note 3: Acids are incompatible with Dangerous Goods of Class 6 which are cyanides. Exemptions may apply.

Section 15. REGULATORY INFORMATION

All ingredients are listed in the Australia Inventory of Chemical Substances (AICS). This document has been produced in accordance with the requirements of GHS of classification and labelling.

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of this product and, in particular, how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.

Section 16. OTHER INFORMATION

Abbreviations and acronyms:

ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail.

AICS: Australian Inventory of Chemical Substances.

CAS Number: Chemical Abstracts Service Registry Number.

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

HAZCHEM: An emergency action code of numbers and letters which gives information to emergency services.

HSIS: Hazardous Substances Information System

IARC: International Agency for Research on Cancer.

NOHSC: National Occupational Health and Safety Commission.

NTP: National Toxicology Program (USA).

SDS: Safety Data Sheet

STEL: Short Term Exposure Limit.

SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons.

TWA: Time Weighted Average. UN Number: United Nations Number.

Literature references:

• Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia)
• GHS Hazardous Chemical Information List (Safe Work Australia)
• Guidance on the Classification of Hazardous Chemicals under the WHS Regulations. Safe Work Australia.
• Global Harmonized System of Classification and Labelling of Chemicals
• "Australian Exposure Standards"
• Australian Code For The Transport Of Dangerous Goods By Road And Rail
• Standard for the Uniform Scheduling of Medicines and Poisons
• Material Safety Data Sheets – individual raw materials – Suppliers.
• Approved Criteria for Classifying Hazardous Substances NOHSC:1008(1999)]
• Hazardous Substance Information System – National Worksafe Data Base.
• Hazardous Chemical Information System (HCIS).
• Implementation of the globally harmonised system of classification and labelling of chemicals (GHS).
• ECHA (European Chemicals Agency)

End