CHALLENGE CHEMICALS AUST.

ISO 9001 Quality Management

SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND THE SUPPLIER

Product Name: **BEERLINE**

Recommended use: Cleaning of Beer Dispensing Lines

Supplier: Challenge Chemicals Australia
ACN: 68 059 129 568
Street Address: 6 Butcher Street
KWINANA
PERTH W.A. 6167

Telephone: (08) 9419 5577
Facsimile: (08) 9419 4958

Emergency Telephone number: **(08) 9419 5577 (7.00am to 4.30pm)**
0419 049 003

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO AUSTRALIAN WHS REGULATIONS

GHS Classification(s) Skin Corrosion / Irritation: Category 1B

Signal Word: **DANGER**

Pictograms:



Hazard Statement(s):	H314	- Causes severe skin burns and eye damage.
Prevention Statement(s):	P260	- Do not breath dust/fume/gas/mist/vapours/spray.
	P264	- Wash thoroughly after handling.
	P280	- Wear protective gloves, clothing, eye and face protection.
Response Statement(s):	P301+P330+P331	- If swallowed, rinse mouth. Do NOT induce vomiting.
	P303+P361+P353	- If on skin (or hair), Remove / take off immediately all contaminated clothing. Rinse skin with water/shower.
	P304+340	- If inhaled, remove to fresh air and keep at rest in a position comfortable 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.
	P321	- Specific treatment is advised – see first aid instructions.
	P363	- Wash contaminated clothing before reuse.
Storage Statement(s):	P405	- Store locked up.

Disposal Statement(s):	P501	- Dispose of contents/container in accordance to relevant regulations.
Other Hazards:	No information provided.	

3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended use: Cleaning of beer dispensing lines.

Appearance: Thin liquid with alkaline odour.

CHEMICAL ENTITY	CAS NO.	EC Number	Content
Water	7732-18-5	231-791-2	>60%
Potassium Hydroxide	1310-58-3	215-181-3	10-30%
Alkaline Salts	-	-	1-10%
Other ingredients determined to be Non Hazardous.	Not Available	Not Available	Remainder

All the constituents of this materials are listed on the Australian Inventory of Chemical Substances (AICS).

4. FIRST AID MEASURES

Poison Information Centres in each State capital city can provide additional assistance for scheduled poisons. Ring 13 11 26

Ingestion: Immediately rinse mouth with water. Give water to drink. Do NOT induce vomiting. If vomiting occurs, place victim's face downwards, head lower than hips to prevent vomit entering lungs. Seek immediate medical assistance.

Eye Contact: Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek medical assistance if irritation persists.

Skin Contact: Immediately wash contaminated skin with plenty of water. For gross contamination, immediately drench with water and remove clothing. Remove contaminated clothing and wash before re-use.

Inhalation: Remove victim from exposure – avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered.

Important Symptoms: See section 11 for more detailed information on health effects and symptoms.

Notes to physician: Treat symptomatically and as for strongly alkaline corrosive material.

5. FIRE-FIGHTING MEASURES

Fire fighting further advice: Not combustible. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

Suitable extinguishing media: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

Special Hazards: Not combustible. However, reaction with metals will produce flammable hydrogen gas which will burn if ignited.

Hazchem Code: 2R.

6. ACCIDENTAL RELEASE MEASURES

Slippery when spilt. Clear area of all unprotected personnel. Contain using sand or soil. Inert material or vermiculite. Collect and seal in properly labeled containers for disposal. Prevent runoff from entering drains and waterways. Small spills may be flushed with copious amounts of water.
Wear personal protective equipment as detailed in section 8 of the SDS.

7. HANDLING AND STORAGE

Storage: Ensure containers are adequately labelled and sealed when not in use. Store in a cool ventilated area away from acids, foodstuffs, heat and ignition sources.

Before use carefully read the product label. Safe working practices are recommended.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits.
Major constituent, Potassium Hydroxide SWA (Aust) – TWA 2 (peak) mg/m³

Biological Limits: No biological limits entered for this product.

As published by the National Occupational Health and Safety Commission (Worksafe Australia).
Peak limitation – a ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.
This exposure standard is a guide to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. Exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering Measures: Avoid inhalation. Use in well ventilated areas. The use of mechanical extraction ventilation is recommended.

Personal Protection Equipment: Wear safety goggles, PVC or rubber gloves and coveralls. If an inhalation risk exists use a Type B respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: Thin liquid with alkaline odour.

Specific Gravity : 1.24
Rel Vapour Density: Not determined
Vapour Pressure : Not determined
Flash Point: Not determined
Flammability Limits: Not applicable
Autoignition Temp (C): Not applicable
% Volatile by Volume: 62
Solubility in Water: 100%

Melting Point (C): Not applicable
Boiling Point (C): Not applicable
Decomp. Point (C): Not determined
Sublimation Point: Not applicable
pH: 14.0
Viscosity: Not determined
Evaporation Rate: Not determined

10. STABILITY AND REACTIVITY

Stability: Stable

Reactivity: Carefully review all information provided below.

Hazardous Polymerisation: Will not occur.

Conditions to Avoid: Open flames, heat, sparks and other ignition sources.

Materials to Avoid: Oxidising agents, metals, acids, heat and ignition sources.

Hazardous Decomposition Products: May evolve toxic gases when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Main Symptoms: No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

Acute Toxicity: Based on the available data this product is expected to be of low toxicity.
The following data is available for Potassium Hydroxide: Oral LD_{50} 273mg/kg (rat)
Skin (rabbit) severe irritation 500mg/24hr
Eyes (rabbit) severe irritation 1mg/30sec

Ingestion: Swallowing may result in nausea, vomiting, diarrhoea and abdominal pain. May cause burns to mouth, throat and stomach.

Eye Contact: A severe eye irritant. Contamination of the eyes may result in permanent damage. Can cause corneal burns.

Skin Contact: Repeated or prolonged skin contact will result in sever irriation. May cause skin burns.

Inhalation: Inhalation of mists may result in respiratory irritation and possible harmful corrosive affects including lesions of the nasal septum, pulmonary oedema, pneumonitis and emphysema.

Sensitisation: No sensitisation to skin or respiratory system.

Mutagenicity Carcinogenicity and Reproductive Toxicity: Not classified as a mutagen, carcinogen or reproductive toxin.

Specific Target Organ Toxicity (STOT-RE & STOT-SE): Over exposure may result in irritation to the nose & throat, coughing and bronchitis. High level exposure may result in lung damage, pneumonitis, pulmonary oedema and ulceration of the respiratory tract. Not classified as causing organ damage from repeated exposure.

Aspiration Hazard: Not classified as causing aspiration.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information provided.

Bioaccumulative Potential: No information provided.

Persistence and Degradability: No information provided.

Mobility in Soil: No information provided.

Other adverse effects: No information provided.

Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Small spills can be greatly diluted with water or carefully neutralized with dilute acid and flushed to drain with copious amounts of water. Alternatively, normally suitable for disposal at approved land waste site after neutralization.

Dispose of waste water according to local, state and federal regulations.

14. TRANSPORT INFORMATION

Classified as Dangerous Goods according to ADG7, IATA-DGR and IMDG codes.
UN Number: 1719
Proper Shipping Name: Caustic Alkali Liquid, N.O.S.
Transport Hazard Class: 8
Packaging Group: II
Environmental Hazards: No information provided.

Special Precautions: GTEPG: 8A1 EMS: F-A,S-B.

Hazchem Code: 2R.

15. REGULATORY INFORMATION

Poison Schedule: Classified as a schedule 6 (S6) as per SUSMP criteria.

Inventory Listings: All ingredients are listed in the Australian Inventory of Chemical Substances, AICS.

Classified and User Label Information: Classification and labelling have been performed according to regulations.

16. OTHER INFORMATION

Abbreviations and Acronyms:

ADG7 -	Australian Code for the Transport of Dangerous Goods 7th edition.
AICS -	Australian Inventory of Chemical Substance.
Cas No -	Chemical Abstracts Service Number (or CAS Registry Number).
EC Number -	European Community Number.
EMS -	Emergency Schedules (emergency procedures for ships carrying dangerous goods).
GHS -	Globally Harmonised System of Classification and Labelling of Chemicals.
GTEPG -	Group Text Emergency Procedures Guide.
Hazchem -	Emergency Action Code of Numbers and Letters that provide information to emergency services.
IATA-DGR -	Dangerous Goods Regulations by the International Air Transport Association.
IMDG -	International Maritime Code for Dangerous Goods.
LC50-	Lethal Concertation 50% / Median Lethal Concentratio.
LD50-	Lethal Dose 50% / Median Lethal Dose
PH -	Relates to Hydrogen Ion Concentration using a scale of 0 (High Acidic) to 14 (High Alkaline).
SDS -	Safety Data Sheet.
STOT-RE -	Specific Target Organ Toxicity (Repeated Exposure).
STOT-SE -	Specific Target Organ Toxicity (Single Exposure).
SUSMP -	Standard for the Uniform Scheduling of Medicines and Poisons.
TWA-	Time Weighted Average.

This SDS summarises at the date of issue or best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Challenge Chemicals Australia and its subsidiaries 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 company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

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Reason for Issue: GHS Update