



HOSPITALITY
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TRICHEM SCOTLAND LTD
Unit 36E Inchmuir Road
Whitehill Industrial Estate
BATHGATE EH48 2EP
T: 01506 634477
F: 01506 634488
www.trichemscotland.co.uk

1. IDENTIFICATION OF PREPERATION AND THE SUPPLIER

MSDS

Sheet: 1/2

Trade name: **1B BEER LINE CLEANER** date of original: **29/09/1994**
 Product description: **CIP IN LINE BEER LINE CLEANER, FOR USE IN PUMP THROUGH SYSTEMS** Revision No. **6**
 Supplier: **AS ABOVE** Revision date: **07/02/2008**

2. INFORMATION ON INGREDIENTS

Hazardous Ingredients:

Material or Component (shown as neat/pure)	% Range	CAS	Class	Risk Phrase
Sodium Hydroxide	15-25	1310-73-2	C	35
Sodium Nitrilo Triacetate	10-15	18662-53-8	Xn, Xi	22, 36
diphosphonic acid	1-5	2809-21-4	Xi	41

3. HAZARDS IDENTIFICATION

Corrosive - causes severe burns. Corrosive. Causes severe burns. Corrosive to body tissue. If ingested, causes severe internal damage Contains an ingredient (Sodium Hydroxide)

4. FIRST AID MEASURES

Eyes: Immediately irrigate with eyewash solution or clean water, holding eyelids apart for at least 10 minutes. Obtain immediate medical attention.
 Skin: Remove contaminated clothing. Wash off immediately with water. Obtain immediate medical attention.
 Ingestion: Wash out mouth with water, then give plenty of milk or water to drink and obtain urgent medical attention, showing the label where possible. Never give anything by mouth to an unconscious person. Do not induce vomiting.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Water spray
Not classified as flammable.
 Protective Equipment for Fire Fighting: Full protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear full protective clothing, impervious gloves and eye/face protection.
 Environmental Precautions: Wash spillage area with plenty of water, Spillage's or uncontrolled discharges into water courses must be alerted to the relevant water authorities.
 Spillages: Absorb with sand, earth or other suitable absorbent material. Transfer to a container for disposal according to local regulations.

7. HANDLING & STORAGE

Handling: Avoid contact with eyes and skin.
 Storage: Store at ambient temperature in the original container, tightly closed. Keep in dry area

8. PERSONAL PROTECTION / EXPOSURE CONTROLS

Repiratory Protection: Use in a well ventilated area.
 Eye Protection: Goggles or safety visor
 Skin Protection: Impervious gloves, impervious apron.
 Environmental protection: Do not allow large quantities to enter surface waters.

9. PHYSICAL &CHEMICAL PROPERTIES

Appearance / colour: Straw mobile liquid
 Odour: Slight ammonia
 pH: 13-14
 Boiling point: 100°C
 Flash point: N/A
 Solubility: Complete in water
 Relative density: 1.15

10. STABILITY AND REACTIVITY

Stability: Stable mixture
 Conditions to avoid: Extremes of temperature.
 Materials to avoid: Do not mix with other chemicals, reacts with aluminium, Zinc and their alloys giving off flammable gases.

11. TOXICOLOGICAL INFORMATION

Eye contact:	Extreme irritation to eyes, including severe burns.
Skin contact:	Corrosive, may cause burns.
Ingestion:	Corrosive, may cause severe internal burns to mouth, throat and digestive tract.
Inhalation:	Unlikely in normal use.

12. ECOLOGICAL INFORMATION

Biodegradability:	This product will not harm biological sewage treatment works in normal use.
Ecotoxicity:	
Aquatic toxicity:	Toxic to fish: LC50, 96h (Oncorhynchus mykiss) = 45.4 mg/l (pH = 8)
Acute toxicity: (for sodium hydroxide)	Daphnia: lethal at 156 mg/l (9.1<pH<9.5) Algae: lethal at pH> 8.5
Bio-Accumulation:	This product is not expected to bio-accumulate under normal use.

13. DISPOSAL

Product does not contain any prescribed substances under the Environmental Protection Act Regs (1991) but is classified as special waste under the Control of Substances (Special Waste) Regs 1996. Dispose of in accordance with all local and national regulations. For small quantities dilute with at least 100 parts of water and pour down waste water drain (foul sewer). Rinse out empty containers thoroughly and recycle if facilities exist or dispose of as commercial waste. For larger quantities contact a licensed waste contractor.

14. TRANSPORT INFORMATION

For sodium hydroxide:	
Conveyance label:	Corrosive.
Class number;	8
Packing group:	II
U.N. number	1823

15. REGULATORY INFORMATION

Hazardous symbol:  "C" Corrosive. Contains sodium hydroxide.

Risk phrases:	R35	Causes severe burns
Safety phrases:	S1/2	Keep locked up and out of reach of children
	S-26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection,
	S-45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

16. OTHER INFORMATION