

BEER LINE CLEANER

FEATURES & APPLICATIONS:

Unico Beer Line Cleaner finds application in the brewing industry and licenced premises.

Unico Beer Line Cleaner will scour beer-dispensing equipment, beer lines and beer cellar tanks. It removes yeast and protein deposit, clearing blockages and leaving all equipment hygienically clean. It is suitable for use in both hard-water and soft-water areas. Being perfume free it will not taint equipment.

APPLICATION DETAILS

Task	Maximum Dilution	How To Use
Cleaning beer-dispensing equipment, tanks and lines.	1 in 80 with water (60 ml per 5 litres)	Fill equipment, lines etc. with solution and leave for 30 minutes. Heavily soiled equipment should be soaked overnight. After soaking, rinse thoroughly with fresh water.
Note: If using an ounce-a-matic dispenser, one measure = 30 ml.		

PRODUCT AND PACKAGING INFORMATION

- Appearance & Odour:** Yellow liquid with slight odour.
- Chemical Description:** An aqueous solution of surfactants, preservative and dye.
- Packaging:** 3 X 5 litres., 20 litres.
- Shelf Life:** 2 Years.

ENVIRONMENTAL INFORMATION

General Information: This product has been formulated to have very little ecological impact.

Environmental Checklist:

Biodegradable detergents	Yes	CFC free	Yes	Solvent free	Yes
Phosphate free	No	Acid/alkali free	No	Free of dyes/perfumes	No
Recyclable packaging	Yes	Biodegradable container	No	Biodegradable outer box	Yes

PRODUCT SAFE HANDLING SHEET UNICO

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Commercial Name Intended/Recommended use	Beer Line Cleaner Beer dispensing equipment cleaner	Supplier Address	Unico Ltd North Main Street, Carronshore, Falkirk FK2 8HT 01324 573400 01324 573401
Issue Date Issue Number	May 07 3	Telephone Fax	

2. HAZARDS IDENTIFICATION

Health Hazards This product is classified as Xi, R36/38 (Irritating to eyes and skin).

Eye Contact: Transient mild to moderate irritation (stinging).
Skin Contact: Prolonged exposure may cause mild to moderate skin irritation.
Inhalation: No ill effects expected. Ensure adequate ventilation.
Ingestion: Possible mild to moderate gastro-intestinal irritation with nausea and vomiting.

General Information Keep out of reach of children

3. COMPOSITION OF PRODUCT AND INFORMATION ON INGREDIENTS

<u>NAME</u>	<u>RANGE</u>	<u>EINECS</u>	<u>CAS No</u>	<u>CLASSIFICATION</u>
Trisodium Nitrilotriacetate	5.0 - 15%	-	5064-31-3	Xn, R22, R36
B-Alanine N-(2-carboxyethyl)- N-(2-ethylhexyl)-monosodium salt	0.1 - 1%	-	94441-92-6	Xi, R36, R38
1-Hydroxy Ethylidene-1,1Diphosphonic Acid C.I. 19140 Yellow 5	0.1 - 1% < 0.01%	220-552-8 217-699-5	2809-21-4 1934-21-0	Xi, R41 -

4. FIRST AID MEASURES

Ingestion Drink a glass of water to dilute product. Do not induce vomiting. Act immediately to prevent further irritation of mouth, throat and stomach mucosa. Seek medical advice immediately.

Inhalation No ill effects expected. If irritation is experienced go in open air and ventilate area. Mouth and throat may be rinsed with water. If irritation or asthma-like symptoms persist seek medical advice.

Eye Contact Check for and remove contact lenses. Rinse thoroughly with plenty of water for several minutes. Seek medical advice.

Skin Contact Rinse affected area with water, if needed apply a cold compress to relieve irritation. If symptoms persist seek medical advice.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Fumes may contain poisonous CO₂. Use appropriate extinguishing media i.e. carbon dioxide, foam powder. Fire fighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Wear protective clothing and eyeshields.

Environmental Precautions Avoid spillage into surface water or vegetation.

Cleanup Methods Hose away with plenty of water, diluting well, unless this would contaminate a water source or vegetation. In which case either collect, dilute and pour down waste drain (foul sewer) or absorb onto dry sand or similar material and dispose of safely as commercial waste.

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7. HANDLING AND STORAGE

Handling Take care when dispensing product from container and assure adequate ventilation. Avoid contact with skin and eyes. Do not mix with any other chemicals.

Storage Store upright in original containers in a cool dry area out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection Personal protection is not normally required unless a risk assessment indicates the need for it. In which case wear a facemask with a suitable filter.

Skin Protection Wear overalls and safety shoes/boots.

Eye Protection Wear eyeshields.

Hand Protection The use of impermeable gloves is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellow Liquid	Flash Point (ACC)	-
Odour	Slight	Viscosity (20C)	1 cp approx
pH	9.50 typically	Water Solubility	Soluble
Boiling Point	Approx. 100 C	Explosive Properties	None
Oxidising Properties	None	Vapour Pressure	Not Applicable
Fat Solubility	-	Relative Density	1.14

10. STABILITY AND REACTIVITY

Conditions to avoid Extreme heat or cold

Materials to avoid Acids

Hazardous decomposition products Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Swallowing Internal irritation likely, may cause vomiting. If large quantities are ingested treat symptomatically. Do not induce vomiting.

Inhalation No ill effects expected. Ensure adequate ventilation.

Skin Contact Irritation likely. Repeated exposure may cause skin dryness or cracking.

Eye Contact Irritation likely. Immediately flush with water for 15 minutes. If irritation persists seek medical advice.

12. ECOLOGICAL INFORMATION

Degradability The surfactants contained in this preparation are biodegradable.

Bioaccumulation Potential When used for its intended purpose this product should not cause adverse effects in the environment.

Aquatic Toxicity Likely to be low.

13. DISPOSAL CONSIDERATIONS

Contact a reputable waste-disposal company. National or Regional legislation may cover this product's disposal.

14. TRANSPORT

Not regulated for Transport

15. REGULATORY INFORMATION

Complies with Chemicals (Hazard Information Packaging and Supply) Regulations 2002.



Hazard: Irritant

Symbol: Xi

Risk Phrases

This product is classified as Xi
R36/38 Irritant; Irritating to eyes
and skin.

Do not transfer contents into other containers.
If swallowed, seek medical advice immediately and show the container or label. Do not induce vomiting. Do not allow children to play with the empty bottle.

Safety Phrases

S2-Keep out of the reach of children.
S25-Avoid contact with eyes.
S26-In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S24-Avoid contact with skin.
S28-In case of contact with skin, wash immediately with plenty of water.
S37-Wear suitable gloves.
S39-Wear eye/face protection.

16. OTHER INFORMATION

This product does not require any special training before use. Usage and handling instructions are mentioned on packaging and on this Material Safety Data Sheet. This health and safety information refers to the concentrated product. Diluted solutions can be considered to be significantly less hazardous although they should always be handled with care.

Ingredients according to EC 648/2004 : 1% Amphoteric surfactant.

Contains Trisodium Nitrioltriacetate and colour.

Description of Risk Phrases (Ingredients Only).

R22- Harmful if swallowed

R36 - Irritating to eyes.

R38- Irritating to skin.

R41 - Risk of serious damage to eyes.