



SAFETY DATA SHEET

Product Name:	Acid Based Milkline Cleaner Solution	SDS Reference	BHS001a
Version No. 3	Initial issue date January 29 th , 2014	Revision date	20-02-2023

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier	Milkline acid based Cleaning Solution	
1.2 Relevant Use(s)/misuse(s)	Coffee machine milkline cleaner and sanitiser	
1.3 SDS Supplier	Bioguard Hygiene Solutions Ltd.	
1.3.1 Manufacturer	Bioguard Hygiene Solutions Ltd. 64a St James Mill Rd St James Northampton NN5 5JP	Telephone: +44(0)1604 592048 Fax No: +44(0)1604 583854 Competent Person e-mail: trevor@rising-hsande.co.uk
1.4 Emergency Telephone	+44(0)1604 592048 (office hours)	

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE MIXTURE

2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP/GHS)

Skin irrit. 2 H315.

2.1.2 Additional information

See section 16 for full text of H statements

2.2 LABELLING ELEMENTS

2.2.1 Labelling in accordance with EC Regulation No 1272/2008 (CLP/GHS)

Pictogram(s):



Signal word

DANGER

Hazard statement(s)

H315 CAUSES SKIN IRRITATION

Precautionary statement(s)

P281 USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED.
P331 +313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL

2.3 OTHER HAZARDS

NONE KNOWN.



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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation

AQUEOUS MIXTURE OF ORGANIC SUBSTANCES

Substances

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
DIDECYLDIMETHYL AMMONIUM CHLORIDE	7173-51-5	230-525-2	Skin Corr. 1B H314; Acute Tox 4 H302	Approx. 2%
ALCOHOL POLYGLYCOL ETHER	NOT ASSIGNED	NOT ASSIGNED	Acute Tox. 4 H302; Eye Dam. 1 H318	3-6%
QUARTERNARY FATTY AMINE ETHOXYLATE	68989-03-7	NOT ASSIGNED	Eye Dam. 1 H318; Aquatic Chronic 2 H411	< 2.5%
TRISODIUM NITILOTRIACETATE	NOT ASSIGNED	NOT ASSIGNED	Carc 2 H351; Acute Tox 4 H302; Eye Irrit. 2 H319	< 0.5%

4. FIRST AID MEASURES

4.1 Description of measures

Inhalation	Not a normal route of exposure.
Skin contact	Immediately clean areas affected with soap and plenty of water. If necessary, seek medical advice
Eye contact	Immediately wash out eye thoroughly with plenty of water until irritation subsides. If necessary, consult an eye specialist/ophthalmologist.
Ingestion	If product is swallowed, do NOT induce vomiting. If conscious, drink plenty of water. If necessary, Seek medical advice.

4.2 Most important effects/symptoms None known.

4.3 Immediate/special treatment Treatment as described above.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media	To suit local surroundings (e.g. water spray, carbon dioxide, foam or chemical powder) Do not use strong water jets
5.2 Special hazards	Avoid run-off water entering the drains (e.g. use barriers)
5.3 Advice for fire fighters	Wear self-contained breathing

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions	Use suitable protective equipment (see section 8)
6.2 Environmental precautions	Do not allow to get into waste water or waterways in large quantities; if this occurs, inform the relevant water authority at once.
6.3 Methods and materials for cleaning up	Take up with absorbent material, e.g. sand, sawdust into tightly closable containers. Label container and dispose of as prescribed.

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6. ACCIDENTAL RELEASE MEASURES

6.4 Reference to other sections See section 8 for personal protective equipment.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling Handle in accordance with good hygiene and safety practice.

7.2 Conditions for safe storage Keep containers closed, cool, dry and away from heat

7.3. Specific end use(s) Coffee machine milkline cleaner and sanitiser

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Controls parameters No OEL data are available. Comply with good practice.

8.2 Exposure controls

Engineering controls Provide adequate ventilation (e.g. local exhaust ventilation).

Personal protection Observe normal standards for handling chemicals.
Wash hands before breaks and after work.
Wear personal protective equipment appropriate to the task (see below)

Eye protection Safety goggles if risk of eye contamination.

Skin protection Impervious gloves (but consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)

Respiratory protection Respirator (e.g. EN 149:2001 P2 or P3) only if ventilation is insufficient.

Other protection Protective overalls

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties

Physical form	Liquid
Colour	Clear coloured
Odour	Chemical Odour
Odour threshold	Not determined
pH	2.0
Boiling pt / range	Approx. 100 °C
Melting pt / range	Approx. 0 °C
Flash point	Not applicable °C
Flammability	Not applicable
Thermal decomposition	Not applicable
Evaporation rate	Not applicable
Explosion limits	Not determined
Auto-ignition temperature	Not applicable
Decomposition temp.	Not applicable
Relative density	1.21

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9. PHYSICAL AND CHEMICAL PROPERTIES

Vapour pressure	Not applicable
Vapour density	Not applicable
Water solubility	Miscible
Explosive properties	Not determined
Oxidising properties	Not determined
Partition coeff. Log _{Oct/water}	Not determined
9.2 Other information	None known.

10. STABILITY AND REACTIVITY

10.1 Reactivity	Hazardous polymerisation will not occur
10.2 Chemical stability	Stable under normal conditions of handling.
10.3 Hazardous reactions	None known.
10.4 Conditions to avoid	None known.
10.5 Incompatible material	None known.
10.6 Hazardous decomposition products	Oxides of carbon

11. TOXICOLOGICAL INFORMATION

11.1 information on toxicological effects			
Acute toxicity	LD ₅₀ rat (oral)	238 mg/kg	Data for didecyldimethyl ammonium chloride
Dermal compatibility	Corrosive		
Mucous membrane compatibility	Corrosive to eyes, mouth and respiratory system		
Further information	No adverse chronic effects and no over-exposure signs.		

12. ECOLOGICAL INFORMATION

12.1 Toxicity	LC ₅₀	Fish (rainbow trout)	1-10 mg/l (96 hours)	Data for quarternary fatty amine ethoxylate
12.2 Degradability	Not determined.			
12.3 Bioaccumutive potential	Not determined			
12.4 Mobility in soil	Not determined			
12.5 PBT/vPvB assessment	Not determined			
12.6 Other adverse effects	None known.			

13. DISPOSAL CONSIDERATIONS



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13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment measures

Advice on disposal	If possible, recycle to supplier or approved recycling company. If not (e.g. designated as waste), dispose of in accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005.
Contaminated packaging	Treat empty containers in the same way as the product: if possible wash out thoroughly and recycle.

14. TRANSPORT INFORMATION

14.1 United Nations number (ADR, IMDG, IATA)	Not classified
14.2 Proper shipping name (ADR, IMDG, IATA)	Not classified
14.3 Transport class(s) (ADR, IMDG, IATA)	Not classified
14.4 Packing group (ADR, IMDG, IATA)	Not classified
14.5 Environmental hazards (ADR, IMDG, IATA)	The product should NOT be marked as a marine pollutant.
14.6 Special procedures (ADR, IMDG, IATA)	Not applicable
14.7 Transport in bulk (ADR, IMDG, IATA)	Not applicable

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations	The product is classified in accordance with EC Regulation 1272/2008 (CLP), Other regulatory information and provisions are not applicable for this product.
15.2 Chemical safety assessment	Not applicable

16. OTHER INFORMATION

Further information

Hazard statements referred to in sections 2/3

H302:	Harmful if swallowed
H314:	Causes severe skin burns and eye damage
H315:	Causes skin irritation.
H319:	Causes serious eye irritation. .

Sources of data	Other suppliers' safety data sheets, EH40(2011), ECHA C&L Inventory
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Date of issue	02-11-2016
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16. OTHER INFORMATION

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties.

Safety data sheet prepared by Rising HS&E Services.

