



# SAFETY DATA SHEET

<b>Product Name:</b>	<b>Milkline Cleaner Solution</b>	<b>SDS Reference</b>	BHS001a
<b>Version No.</b> 2	<b>Initial issue date</b> January 29 <sup>th</sup> , 2014	<b>Revision date</b>	2-11-2016

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

<b>1.1 Product Identifier</b>	<b>Milkline Cleaning Solution</b>	
<b>1.2 Relevant Use(s)/misuse(s)</b>	Coffee machine milkline cleaner and sanitiser	
<b>1.3 SDS Supplier</b>	Bioguard Hygiene Solutions Ltd.	
<b>1.3.1 Manufacturer</b>	Bioguard Hygiene Solutions Ltd. 64a St James Mill Rd St James Northampton NN5 5JP	<b>Telephone:</b> +44(0)1604 592048 <b>Fax No:</b> +44(0)1604 583854 <b>Competent Person e-mail:</b> trevor@rising-hsande.co.uk
<b>1.4 Emergency Telephone</b>	+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.  
Eye Dam. 1 H318

#### 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.  
H318 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

**Precautionary statement(s)**

P281 USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED.  
P302 +352 IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.  
P305+351+338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES.REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.  
P312 CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL

### 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

<b>Inhalation</b>	Not a normal route of exposure.
<b>Skin contact</b>	Immediately clean areas affected with soap and plenty of water. If necessary, seek medical advice
<b>Eye contact</b>	Immediately wash out eye thoroughly with plenty of water until irritation subsides. If necessary, consult an eye specialist/ophthalmologist.
<b>Ingestion</b>	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

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

### 6. ACCIDENTAL RELEASE MEASURES

<b>6.1 Personal precautions</b>	Use suitable protective equipment (see section 8)
<b>6.2 Environmental precautions</b>	Do not allow to get into waste water or waterways in large quantities; if this occurs, inform the relevant water authority at once.
<b>6.3 Methods and materials for cleaning up</b>	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

<b>Physical form</b>	Liquid
<b>Colour</b>	Straw coloured
<b>Odour</b>	Odourless
<b>Odour threshold</b>	Not determined
<b>pH</b>	8.0
<b>Boiling pt / range</b>	Approx. 100 °C
<b>Melting pt / range</b>	Approx. 0 °C
<b>Flash point</b>	Not applicable °C
<b>Flammability</b>	Not applicable
<b>Thermal decomposition</b>	Not applicable
<b>Evaporation rate</b>	Not applicable
<b>Explosion limits</b>	Not determined
<b>Auto-ignition temperature</b>	Not applicable
<b>Decomposition temp.</b>	Not applicable
<b>Relative density</b>	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. $\text{Log}_{\text{Oct}/\text{water}}$	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	$\text{LD}_{50}$ 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	$\text{LC}_{50}$	Fish (rainbow trout)	1-10 mg/l (96 hours)	Data for quarternary fatty amine ethoxylate
12.2 Degradability	Not determined.			
12.3 Bioaccumulative 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

<b>Advice on disposal</b>	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.
<b>Contaminated packaging</b>	Treat empty containers in the same way as the product: if possible wash out thoroughly and recycle.

## 14. TRANSPORT INFORMATION

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

## 15. REGULATORY INFORMATION

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

## 16. OTHER INFORMATION

### Further information

#### Hazard statements referred to in sections 2/3

H301: Toxic if swallowed.  
H302: Harmful if swallowed  
H314: Causes severe skin burns and eye damage  
H315: Causes skin irritation.  
H318: Causes serious eye damage  
H319: Causes serious eye irritation. .  
H411: Toxic to aquatic life with long lasting effects.

**Sources of data** Other suppliers' safety data sheets, EH40(2011), ECHA C&L Inventory

**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.

