

bioguard

PRODUCT SAFETY DATA SHEETS



Class-leading hygiene, cleaning and infection-control products

HEALTHCARE

VENDING

FOOD PROCESSING

Bioguard Milkline Cleaning Solution

PROVEN HYGIENE SOLUTIONS

Product Name:	Milkline Cleaner Solution	SDS Reference	BHS001
Version No. 1	Initial issue date January 29 th , 2014	Revision date	

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

- 1.1 Product Identifier** **Milkline 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. **Telephone:** +44(0)1604 592048
 64a St James Mill Rd **Fax No:** +44(0)1604 583854
 St James **Competent Person e-mail:**
 Northampton NN5 5JP **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.
 Eye damage. 1 H318

2.1.2 Classification according to EC Directive 67/548/EEC (CHIP 4)

Xi: R36

2.1.3 Additional information

See section 16 for full text of H statements and R phrases.

2.2 LABELLING ELEMENTS

2.2.1 Labelling in accordance with EC Directive 67/548/EEC (CHIP 4)

Physicochemical: ACCORDING TO EXPERIENCE, THE PRODUCT IS CONSIDERED TO HAVE NO ADVERSE PHYSICOCHEMICAL PROPERTIES IF HANDLED IN THE CORRECT MANNER.

Health:  IRRITATING TO EYES
 IRRITANT

Environmental: ACCORDING TO EXPERIENCE, THE PRODUCT IS CONSIDERED TO HAVE NO ADVERSE ON THE ENVIRONMENT IF HANDLED IN THE CORRECT MANNER. .

SAFETY PHRASES AVOID CONTACT WITH EYES
 WEAR SUITABLE PROTECTIVE CLOTHING

Contact Bioguard today to see the difference we can make

Product Name:	Bioguard Milkline Cleaning Solution	SDS Ref.	BHS001
----------------------	-------------------------------------	-----------------	--------

2. HAZARDS IDENTIFICATION

2.2.2 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.

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	CHIP: Xn: R22; C: R34 CLP: Skin Corr. 1B H314; Acute Tox 4 H302	Approx. 2%
ALCOHOL POLYGLYCOL ETHER	NOT ASSIGNED	NOT ASSIGNED	CHIP: Not assigned CLP: Acute Tox. 4 H302; Eye damage 1 H318	3-6%
QUARTERNARY FATTY AMINE ETHOXYLATE	68989-03-7	NOT ASSIGNED	CHIP: Xi: R41 N: R51,53 CLP: Eye damage 1 H318; Aquatic Chronic 2 H411	< 2.5%
TRISODIUM NITILOTRIACETATE	NOT ASSIGNED	NOT ASSIGNED	CHIP: Carc. Cat 3 R40; Xn: R22; Xi: R36 CLP: Carc 2 H351; Acute Tox 4 H302; Eye Irrit. 2 H319	< 0.5%

Contact Bioguard today to see the difference we can make

Product Name:	Bioguard Milkline Cleaning Solution	SDS Ref.	BHS001
----------------------	--	-----------------	--------

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.
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

Contact Bioguard today to see the difference we can make



64a St James Mill Road, St James,
Northampton NN5 5JP United Kingdom

t: +44(0)1604 592048
f: +44(0)1604 583854

info@bioguardhygiene.com
www.bioguardhygiene.com

Product Name:	Bioguard Milkline Cleaning Solution	SDS Ref.	BHS001
----------------------	--	-----------------	--------

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	Straw coloured
Odour	Odourless
Odour threshold	Not determined
pH	8.0
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
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.

Contact Bioguard today to see the difference we can make



64a St James Mill Road, St James,
Northampton NN5 5JP United Kingdom

t: +44(0)1604 592048
f: +44(0)1604 583854

info@bioguardhygiene.com
www.bioguardhygiene.com

Product Name:	Bioguard Milkline Cleaning Solution	SDS Ref.	BHS001
----------------------	--	-----------------	--------

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 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

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.

Contact Bioguard today to see the difference we can make



64a St James Mill Road, St James,
Northampton NN5 5JP United Kingdom

t: +44(0)1604 592048
f: +44(0)1604 583854

info@bioguardhygiene.com
www.bioguardhygiene.com

Product Name:	Bioguard Milkline Cleaning Solution	SDS Ref.	BHS001
----------------------	--	-----------------	--------

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 the Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP 4) and 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

Risk phrases/ hazard statements referred to in sections 2/3

R22:	Harmful if swallowed
R34:	Causes burns
R36:	Irritating to eyes.
R41:	Risk of serious damage to eyes
R51,53:	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
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.

Further information cont.

Sources of data Other suppliers' safety data sheets, EH40(2011)

Date of issue 29-01-2014

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.

Contact Bioguard today to see the difference we can make



64a St James Mill Road, St James,
Northampton NN5 5JP United Kingdom

t: +44(0)1604 592048
f: +44(0)1604 583854

info@bioguardhygiene.com
www.bioguardhygiene.com