



SAFETY DATA SHEET

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| Product Name: | Acid Base Cleaner Solution | SDS Reference | BHS001c |
| Version No. 2 | Initial issue date January 29 th , 2014 | Revision date | 12-01-2017 |

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

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| 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. 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.
Eye damage. 1 H318

2.1.2 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 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 | CLP: Skin Corr. 1B H314; Acute Tox 4 H302 | Approx. 2% |
| ALCOHOL POLYGLYCOL ETHER | NOT ASSIGNED | NOT ASSIGNED | CLP: Acute Tox. 4 H302; Eye damage 1 H318 | 3-6% |
| QUARTERNARY FATTY AMINE ETHOXYLATE | 68989-03-7 | NOT ASSIGNED | CLP: Eye damage 1 H318; Aquatic Chronic 2 H411 | < 2.5% |
| TRISODIUM NITILOTRIACETATE | NOT ASSIGNED | NOT ASSIGNED | CLP: Carc 2 H351; Acute Tox 4 H302; Eye Irrit. 2 H319 | < 0.5% |

4. FIRST AID MEASURES

4.1 Description of measures

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| 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

| | |
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| 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

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| 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. |



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7. HANDLING AND STORAGE

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| 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 | 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 |
| Viscosity | Not determined |
| Vapour pressure | Not applicable |

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9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|----------------|
| 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

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|---------------------------------------|---|
| 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

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| 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

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. |

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14. TRANSPORT INFORMATION

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|---|---|
| 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

| | |
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| 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

| | |
|-------|--|
| 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, ECHA C&L Inventory

Date of issue 12-01-2017

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.

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Safety data sheet prepared by Rising HS&E Services.

