

bioguard

PRODUCT SAFETY DATA SHEETS



Class-leading hygiene, cleaning and infection-control products

HEALTHCARE

VENDING

FOOD PROCESSING

Bioguard Milkstone & Descaler Powder

PROVEN HYGIENE SOLUTIONS

Product Name:	Milkstone & Descaler Powder	SDS Reference	BHS013
Version No. 1	Initial issue date October 24 th , 2013	Revision date	

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

1.1 Product Identifier	Milkstone & Descaler Powder	
1.2 Relevant Use(s)/misuse(s)	Detanin and Milkstone removal powder	
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 Irrit. 2 H319.
 Aquatic Chronic 3 H412

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

Xi: R36/38
 R52/53

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:



IRRITANT

IRRITATING TO EYES AND SKIN

Environmental:

HARMFUL TO AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

SAFETY PHRASES

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
 AFTER CONTACT WITH SKIN, WASH IMMEDIATELY WITH PLENTY OF SOAP AND WATER.
 AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEET.

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2. HAZARDS IDENTIFICATION

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

Pictogram(s):  **Signal word**
WARNING

Hazard statement(s)	H315 CAUSES SKIN IRRITATION. . H319 CAUSES SERIOUS EYE IRRITATION. H412 HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS. .
Precautionary statement(s)	P273 AVOID RELEASE TO THE ENVIRONMENT. P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. P305+351+338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES.REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. P332+313 IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION. P337+313 IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

2.3 OTHER HAZARDS NONE KNOWN.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation MIXTURE OF ORGANIC AND INORGANIC SUBSTANCES

Substances

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
SULPHAMIC ACID	5329-14-6	226-218-8	CHIP: Xi: R36/38; R52/53 CLP: Skin Irrit. 2 H315 ; Eye Irrit. 2 H319 Aquatic Chronic 3 H412	<95%
CITRIC ACID	5949-29-1	201-069-1	CHIP: Xi: R36/37/38 CLP: Skin Irrit. 2 H315 Eye Irrit. 2 H319; STOT SE3 H335	3-5%

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.

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5. FIRE FIGHTING MEASURES

5.1 Extinguishing media	To suit local surroundings (e.g. water spray, carbon dioxide, foam or chemical powder)
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)	Detanin powder

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	Damp powder
Colour	White with yellow tinge
Odour	Strongly chemical
Odour threshold	Not determined
pH	1.5-2.0

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9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling pt / range	Not applicable °C
Melting pt / range	Not determined °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	1.25
Vapour pressure	Not applicable
Vapour density	Not applicable
Water solubility	Soluble
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	Strong oxidising agents, alkalies, finely powdered metals, nitrates
10.6 Hazardous decomposition products	Oxides of carbon

11. TOXICOLOGICAL INFORMATION

11.1 information on toxicological effects

Acute toxicity	LD ₅₀ rat (oral)	1420 mg/kg	Data for sulphamic acid
Dermal compatibility	No data available		
Mucous membrane compatibility	No data available		

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12. ECOLOGICAL INFORMATION

12.1 Toxicity	LC ₅₀	Fish	70.3 mg/l (96 hours)	Data for sulphamic acid
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.

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

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16. OTHER INFORMATION

Further information

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

R36/37/38: Irritating to eyes, respiratory system and skin

R36/38: Irritating to eyes and skin

R52,53: Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects.

Sources of data

Other suppliers' safety data sheets, EH40(2011)

Date of issue

24-10-2013

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.

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