

# bioguard

## PRODUCT SAFETY DATA SHEETS



Class-leading hygiene, cleaning and infection-control products

HEALTHCARE

VENDING

FOOD PROCESSING

## Bioguard Descaler Liquid

PROVEN HYGIENE SOLUTIONS

<b>Product Name:</b>	<b>DESCALER LIQUID</b>	<b>SDS Reference</b>	BHS018
<b>Version No.</b> 1	<b>Initial issue date</b> October 24 <sup>th</sup> , 2013	<b>Revision date</b>	

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

<b>1.1 Product Identifier</b>	<b>Descaler Liquid</b>	
<b>1.2 Relevant Use(s)/misuse(s)</b>	Descaler liquid	
<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

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

<b>Pictogram(s):</b>		<b>Signal word</b>
		DANGER

<b>Hazard statement(s)</b>	H315 CAUSES SKIN IRRITATION. H318 CAUSES SERIOUS EYE DAMAGE.
<b>Precautionary statement(s)</b>	P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. P301+312 IF SWALLOWED: CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL. 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.

**2.3 OTHER HAZARDS** NONE KNOWN.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation                      AQUEOUS SOLUTION

**Substances**

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
MINERAL ACID SALT OF ORGANIC AMIDE	506-89-8	208-059-6	<b>CLP:</b> Acute Tox. 4 H302: Skin Irrit. 2 H315; Eye Dam. 1 H318	Approx. 50%

### 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)
<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.
<b>6.4 Reference to other sections</b>	See section 8 for personal protective equipment.

### 7. HANDLING AND STORAGE

<b>7.1 Precautions for safe handling</b>	Handle in accordance with good hygiene and safety practice.
<b>7.2 Conditions for safe storage</b>	Keep containers closed, cool, dry and away from heat
<b>7.3. Specific end use(s)</b>	Descaler liquid

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>8.1 Controls parameters</b>	No OEL data are available. Comply with good practice.
<b>8.2 Exposure controls</b>	
<b>Engineering controls</b>	Provide adequate ventilation (e.g. local exhaust ventilation).
<b>Personal protection</b>	Observe normal standards for handling chemicals. Wash hands before breaks and after work. Wear personal protective equipment appropriate to the task (see below)
<b>Eye protection</b>	Safety goggles if risk of eye contamination.
<b>Skin protection</b>	Impervious gloves (but consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
<b>Respiratory protection</b>	Respirator (e.g. EN 149:2001 P2 or P3) only if ventilation is insufficient.
<b>Other protection</b>	Protective overalls

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1 Basic physical and chemical properties</b>	
<b>Physical form</b>	Liquid
<b>Colour</b>	Yellow
<b>Odour</b>	Chemical
<b>Odour threshold</b>	Not determined
<b>pH</b>	4-5
<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>	1.15
<b>Vapour pressure</b>	Not applicable
<b>Vapour density</b>	Not applicable
<b>Water solubility</b>	Miscible
<b>Explosive properties</b>	Not determined
<b>Oxidising properties</b>	Not determined
<b>Partition coeff. Log<sub>Oct/water</sub></b>	Not determined
<b>9.2 Other information</b>	None known.

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## 10. STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Hazardous polymerisation will not occur
<b>10.2 Chemical stability</b>	Stable under normal conditions of handling.
<b>10.3 Hazardous reactions</b>	May be corrosive to metals
<b>10.4 Conditions to avoid</b>	None known.
<b>10.5 Incompatible material</b>	Alkalies,
<b>10.6 Hazardous decomposition products</b>	Not determined

## 11. TOXICOLOGICAL INFORMATION

**11.1 information on toxicological effects**

<b>Acute toxicity</b>	LD <sub>50</sub> rat (oral)	1121 mg/kg	Data for mineral acid salt of organic amide
<b>Dermal compatibility</b>	No data available		
<b>Mucous membrane compatibility</b>	No data available		

## 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	LC <sub>50</sub>	Fish	mg/l (96 hours)	No data available
<b>12.2 Degradability</b>	BOD (10): 600 mg/l; COD: 3500 mg/l			
<b>12.3 Bioaccumulative potent.</b>	Not determined			
<b>12.4 Mobility in soil</b>	Not determined			
<b>12.5 PBT/vPvB assessment</b>	Not determined			
<b>12.6 Other adverse effects</b>	None known.			

## 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.

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#### 14. TRANSPORT INFORMATION

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**

- H302: Harmful if swallowed
- H315: Causes skin irritation.
- H318: Causes serious eye damage.

**Sources of data** Other suppliers' safety data sheets

**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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