

bioguard

1.23 Bioguard D Citric Powder

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SAFETY DATA SHEET

Product Name:	D Citric	SDS Reference	BHS019
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	D Citric	
1.2 Relevant Use(s)/misuse(s)	Descaler	
1.3 SDS Supplier	Bioguard Hygiene Solutions Ltd.	Telephone: +44(0)1604 592048
1.3.1 Manufacturer	Bioguard Hygiene Solutions Ltd. 64a St James Mill Rd St James Northampton NN5 5JP	Fax No: +44(0)1604 583854
1.4 Emergency Telephone	+44(0)1604 592048 (office hours)	Competent Person e-mail: trevor@rising-hsande.co.uk

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.
STOT SE 3 H335

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

Xi: R36/37/38

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, RESPIRATORY SYSTEM AND SKIN

Environmental:

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

SAFETY PHRASES

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND WEAR EYE/FACE PROTECTION.

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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
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Hazard statement(s)	H315 CAUSES SKIN IRRITATION. . H319 CAUSES SERIOUS EYE IRRITATION. H335 MAY CAUSE RESPIRATORY IRRITATION.
Precautionary statement(s)	P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. P304+340 IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. 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 CITRIC ACID MONOHYDRATE

Substances

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
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	> 60%

4. FIRST AID MEASURES

4.1 Description of measures

Inhalation	Remove casualty to fresh air. If necessary, seek medical advice.
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** Toxic/irritating fumes may be omitted on combustion.
- 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 as appropriate, e.g. sweep or vacuum up, into tightly closed 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. Avoid the raising and deposition of dust.
- 7.2 Conditions for safe storage** Keep containers closed, cool, dry and away from heat
- 7.3. Specific end use(s)** Descaler

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** Powder
- Colour** White
- Odour** Chemical
- Odour threshold** Not determined
- pH** 2.0 @ 50 g/l
- Boiling pt / range** Not applicable °C

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9. PHYSICAL AND CHEMICAL PROPERTIES

Melting pt / range	Approx. 150 °C
Flash point	> 93 °C
Flammability	Not applicable
Thermal decomposition	Not applicable
Evaporation rate	Not applicable
Explosion limits	Not determined
Auto-ignition temperature	Approx. 350 °C
Decomposition temp.	Not applicable
Relative density	1.01
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	Alkalies, zinc, copper, aluminium
10.6 Hazardous decomposition products	Oxides of carbon

11. TOXICOLOGICAL INFORMATION

11.1 information on toxicological effects

Acute toxicity	LD ₅₀ rat (oral)	> 2000 mg/kg
Dermal compatibility	No data available	
Mucous membrane compatibility	No data available	

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12. ECOLOGICAL INFORMATION

12.1 Toxicity	LC ₅₀	Fish	mg/l (96 hours)	No data available
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

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

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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