

# bioguard

## PRODUCT SAFETY DATA SHEETS



Class-leading hygiene, cleaning and infection-control products

HEALTHCARE

VENDING

FOOD PROCESSING

## Bioguard D Citric Powder

PROVEN HYGIENE SOLUTIONS

<b>Product Name:</b>	<b>D Citric</b>	<b>SDS Reference</b>	BHS019
<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>D Citric</b>	
<b>1.2 Relevant Use(s)/misuse(s)</b>	Descaler	
<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

### 2.1 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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<b>Product Name:</b>	D Citric	<b>SDS Ref.</b>	BHS019
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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.  
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	<b>CHIP:</b> Xi: R36/37/38 <b>CLP:</b> Skin Irrit. 2 H315 Eye Irrit. 2 H319; STOT SE3 H335	> 60%

## 4. FIRST AID MEASURES

### 4.1 Description of measures

<b>Inhalation</b>	Remove casualty to fresh air. If necessary, seek medical advice.
<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.
<b>4.2 Most important effects/symptoms</b>	None known.
<b>4.3 Immediate/special treatment</b>	Treatment as described above.

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<b>Product Name:</b>	<b>D Citric</b>	<b>SDS Ref.</b>	<b>BHS019</b>
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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

<b>Melting pt / range</b>	Approx. 150 °C
<b>Flash point</b>	> 93 °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>	Approx. 350 °C
<b>Decomposition temp.</b>	Not applicable
<b>Relative density</b>	1.01
<b>Vapour pressure</b>	Not applicable
<b>Vapour density</b>	Not applicable
<b>Water solubility</b>	Soluble
<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.

## 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>	None known.
<b>10.4 Conditions to avoid</b>	None known.
<b>10.5 Incompatible material</b>	Alkalies, zinc, copper, aluminium
<b>10.6 Hazardous decomposition products</b>	Oxides of carbon

## 11. TOXICOLOGICAL INFORMATION

### 11.1 information on toxicological effects

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

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## 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>	Not determined.			
<b>12.3 Bioaccumulative potential</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.
<b>14.6 Special procedures (ADR, IMDG, IATA)</b>	Not applicable
<b>14.7 Transport in bulk (ADR, IMDG, IATA)</b>	Not applicable

## 15. REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations</b>	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.
<b>15.2 Chemical safety assessment</b>	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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