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

Bioguard Disinfectant Air Freshener

1.1 Product Identifier
DAS005 - 5 Litre Solution - 4 Units Per Box
DAS001 - 1 Litre Refill Bottle - 12 Units Per Box
DAS250 – 250 ml Spray Bottle - 12 Units Per Box
DAS050 – 50ml Finger Spray

1.2 Relevant Use(s)/misuse(s) Air Freshener and Disinfectant

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

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)
Not classified

2.1.2 Additional information
See section 16 for full text of H statements

2.2 LABELLING ELEMENTS

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

Pictogram(s): NONE

Signal word
NONE

Hazard statement(s) NONE

Precautionary statement(s) NONE

2.3 OTHER HAZARDS NONE

3. COMPOSITION / INFORMATION ON INGREDIENTS

Product Code: 041766
3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation

AQUEOUS MIXTURE OF ORGANIC SUBSTANCES

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No</th>
<th>EINECS/ELINCS</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>CITRIC ACID MONOHYDRATE (1,2,3-PROPANETRICARBOXYLIC ACID)</td>
<td>5949-29-1</td>
<td>NOT ASSIGNED</td>
<td>Eye Irrit.2 H319</td>
<td>&lt; 1.0%</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

4.1 Description of measures

Inhalation: Not a normal route of exposure.

Skin contact: Clean areas affected with soap and plenty of water. If necessary, seek medical advice.

Eye contact: 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

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: None known.

5.3 Advice for fire fighters: Wear self-contained breathing apparatus.

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): Surface cleaner and disinfectant.
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.
Wear personal protective equipment appropriate to the task (see below).

Eye protection: Safety goggles if risk of eye contamination.

Skin protection: If necessary, impervious gloves (but consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken).

Respiratory protection: Respirator – not normally required.

Other protection: Protective overalls.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties

Physical form: Liquid
Colour: Clear to Straw coloured
Odour: Floral fragrance
Odour threshold: Not determined
pH: 6.5 - 7.0
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: 1.01-1.025
Vapour pressure: Not applicable
Vapour density: Not applicable
Water solubility: Miscible
Explosive properties: Not determined
Oxidising properties: Not determined
Partition coeff. LogOct/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
None known.

10.6 Hazardous decomposition products
Oxides of carbon

11. TOXICOLOGICAL INFORMATION

11.1 information on toxicological effects

- Acute toxicity: LD₅₀ rat (oral) mg/kg No data available
- Dermal compatibility: No data available
- Mucous membrane compatibility: No data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity
LC₅₀ Aquatic organisms mg/l 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. TRANSPORT INFORMATION

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 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

H319: Causes serious eye irritation.

Sources of data  
Other suppliers’ safety data sheets

Date of issue  
02-11-2016

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.