

bioguard

PRODUCT SAFETY DATA SHEETS



Class-leading hygiene, cleaning and infection-control products

HEALTHCARE

VENDING

FOOD PROCESSING

Bioguard Absorb Powder

PROVEN HYGIENE SOLUTIONS

Product Name:	Absorb Powder	SDS Reference	BHS003
Version No. 1	Initial issue date September 24 th , 2013	Revision date	

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

- 1.1 Product Identifier** **Absorb Powder**
- 1.2 Relevant Use(s)/misuse(s)** An absorbent /clean up 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
- 1.4 Emergency Telephone** +44(0)1604 592048 (office hours)
- Telephone:** +44(0)1604 592048
Fax No: +44(0)1604 583854
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)

Not classified

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

Not classified

2.1.3 Additional information

None

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 PHYSICO-CHEMICAL PROPERTIES IF HANDLED IN THE CORRECT MANNER.

Health:

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

Environmental:

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

SAFETY PHRASES NONE.

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

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2. HAZARDS IDENTIFICATION

Signal word

NONE

Pictogram(s): NONE

Hazard statement(s) NONE

Precautionary statement(s) NONE

2.3 OTHER HAZARDS NONE

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation MIXTURE OF SUGAR AND A POLYACRYLATE (CAS 9003-04-7)

Substances NON HAZARDOUS SUBSTANCES

4. FIRST AID MEASURES

4.1 Description of measures

Inhalation Remove casualty to fresh air. If necessary, seek medical advice.

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. 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, carbon dioxide, foam or chemical powder)

5.2 Special hazards None known.

5.3 Advice for fire fighters Wear self-contained breathing if necessary

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions Use suitable protective equipment (see section 8). Spilled product in contact with water or moisture causes surfaces to become extremely slippery.

6.2 Environmental precautions Collect and flush small quantities into the drainage system.

6.3 Methods and materials for cleaning up Take up larger quantities 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.

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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 (store at < 50°C)
7.3. Specific end use(s)	As an absorbing 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). Take measures against the build up of static electricity (fine dust may form explosive mixtures in air).
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	Not normally required (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
Further information	The European Disposables and Non-Wovens Association (EDANA) recommends a work place limit of 0.05 mg/cm ³ for respirable dust of superabsorbent polymer (see section 11).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties	
Physical form	Powder
Colour	White
Odour	odourless
Odour threshold	Not determined
pH	6 at 10 g/l
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

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9. PHYSICAL AND CHEMICAL PROPERTIES

Relative density	0.78 mg/cm ³
Vapour pressure	< 10 hPa
Vapour density	Not applicable
Water solubility	Miscible
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	None known.
10.6 Hazardous decomposition products	Oxides of carbon

11. TOXICOLOGICAL INFORMATION

11.1 information on toxicological effects

Acute toxicity	LD ₅₀ rat (oral)	> 5000 mg/kg	Data for the polyacrylate
	LD ₅₀ rat (derm)	> 2000 mg/kg	Data for the polyacrylate
Dermal compatibility	*non irritant (OECD 404; data for the polyacrylate)		
Mucous membrane compatibility	Slightly irritant to eyes (OECD 405; data for the polyacrylate)		
Further information	Non sensitive to skin (OECD 406; data for the polyacrylate). A 2 year inhalation study in rats with micronised dust of a superabsorbent polymer resulted in an unspecified inflammatory reaction in the lungs and tumour formation in some rats receiving the highest dose. This resulted in a NOEL of 0.05 mg/cm ³ for the superabsorbent polymer.** ** see section 16		

12. ECOLOGICAL INFORMATION

12.1 Toxicity	LC ₅₀	Fish (Leuciscus idus)	> 5500 mg/l (96 hours)	OECD 203; data for the polyacrylate**
	LC ₅₀	Fish (Danio rerio)	> 4000 mg/l (96 hours)	OECD 203; data for the polyacrylate**
12.2 Degradability	Practically non degradable (OECD 302B) **			
12.3 Bioaccumutive potential	Not determined			
12.4 Mobility in soil	Not determined			
12.5 PBT/vPvB assessment	Not determined			
12.6 Other adverse effects	None known.			

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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	In accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP 4) and EC Regulation 1272/2008 (CLP), the product is not classified. Other regulatory information and provisions are not applicable for this product.
15.2 Chemical safety assessment	Not applicable

16. OTHER INFORMATION

Sources of data	Other suppliers' safety data sheets ** Based on the results of a similar compound (Laboratory for Toxicology and Ecology; Evanik Stockhausen GmbH, Krefeld, Germany).
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Date of issue 24-09-2013

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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