



SAFETY DATA SHEET

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| Product Name: | Detannin Powder | SDS Reference | BHS007 |
| Version No. 3 | Initial issue date January 29 th , 2014 | Revision date | 1-03-2017 |

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

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| 1.1 Product Identifier | Detannin Powder | |
| 1.2 Relevant Use(s)/misuse(s) | Detannin and Cleaning 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 | Telephone: +44(0)1604 592048 Fax No: +44(0)1604 583854 Competent Person e-mail: trevor@rising-hsande.co.uk |
| 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)

Skin Irrit. 2 H315;
Eye Irrit. 2 H319

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):



Signal word

WARNING

Hazard statement(s)

H315 CAUSES SKIN IRRITATION.
H319 CAUSES SERIOUS EYE IRRITATION.

Precautionary statement(s)

P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.
P302+352 IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.
P305+351+338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES.REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.
P337+313 IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

2.3 OTHER HAZARDS

NONE KNOWN.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation MIXTURE OF INORGANIC SUBSTANCES

Substances



| | | | |
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3. COMPOSITION / INFORMATION ON INGREDIENTS

| <u>Chemical name</u> | <u>CAS-No</u> | <u>EINECS/ELINCS</u> | <u>Classification</u> | <u>Concentration</u> |
|----------------------|---------------|----------------------|---|----------------------|
| SODIUM CARBONATE | 497-19-8 | 207-838-8 | Eye Irrit. 2 H319 | 10-15% |
| TRISODIUM PHOSPHATE | 7601-54-9 | 231-509-8 | Skin Irrit. 2 H315; Eye Irrit. 2 H319 | 10-15% |
| SODIUM PERCARBONATE | 15630-89-4 | 239-707-6 | Ox. Sol. 2 H272; Acute Tox. 4 H302; Eye Dam. 1 H318 | 15-25% |

4. FIRST AID MEASURES

4.1 Description of measures

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| 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.

5. FIRE FIGHTING MEASURES

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| 5.1 Extinguishing media | To suit local surroundings (e.g. water spray, carbon dioxide, foam or chemical powder) |
| 5.2 Special hazards | Avoid run-off water entering the drains (e.g. use barriers) |
| 5.3 Advice for fire fighters | Wear self-contained breathing |

6. ACCIDENTAL RELEASE MEASURES

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| 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

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| 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) | Detannin and cleaning powder |

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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| 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. Avoid inhalation of dust 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

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|---|-------------------|
| Physical form | Powder |
| Colour | White |
| Odour | Chemical |
| Odour threshold | Not determined |
| pH | Not determined |
| 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 |
| Relative density | Not determined |
| 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. |

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10. STABILITY AND REACTIVITY

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| 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 | Strong oxidising agents, finely powdered metals |
| 10.6 Hazardous decomposition products | Oxides of carbon |

11. TOXICOLOGICAL INFORMATION

11.1 information on toxicological effects

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|--------------------------------------|-----------------------------|------|-------|--------------------------------|
| Acute toxicity | LD ₅₀ rat (oral) | 2400 | mg/kg | (data for sodium percarbonate) |
| | LD ₅₀ rat (derm) | 2000 | mg/kg | (data for sodium percarbonate) |
| Dermal compatibility | No data available | | | |
| Mucous membrane compatibility | No data available | | | |

12. ECOLOGICAL INFORMATION

| | | | | |
|---------------------------------------|--|------|------|-------------------|
| 12.1 Toxicity | LC ₅₀ | Fish | 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 | WGK - 1 (data for sodium percarbonate) | | | |

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment measures

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| 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

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|---|---|
| 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. |

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14. TRANSPORT INFORMATION

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| 14.6 Special procedures (ADR, IMDG, IATA) | Not applicable |
| 14.7 Transport in bulk (ADR, IMDG, IATA) | Not applicable |

15. REGULATORY INFORMATION

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|--|---|
| 15.1 Safety, health and environmental regulations | The product is classified in accordance 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

H272: May intensify fire; oxidiser
H302: Harmful if swallowed
H315: Causes skin irritation.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.

Sources of data Other suppliers' safety data sheets, ECHA C&L Inventory

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.

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Safety data sheet prepared by Rising HS&E Services.

