**SECTION 1: Identification of the substance/mixture and company/undertaking**

* 1. **Product Identifier**

Product NameBio Hazard Absorbent Powder

Product Code 8213

* 1. **Relevant identified uses of the substance or mixture and uses advised against**

Identified UseTo solidify liquid waste for easier disposal

* 1. **Details of the supplier of the safety data sheet**

Supplier Steroplast Healthcare Limited

Unit 2, Alpha Point

Bradnor Road

Manchester

M22 4TE

United Kingdom

Tel: +44 (0) 161 902 3030

Email: sales@steroplast.co.uk

* 1. **Emergency telephone number**

Tel: +44 (0) 161 902 3031

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

Mixture not classified as hazardous

Classification according Mixture not classified as hazardous

to Directive 1999/45/EEC

Potential Human Health Effects

Eyes Dust may cause slight to moderate eye irritation.

Skin Exposure to dust, such as in manufacturing, may aggravate existing skin conditions due to drying effect.

Ingestion Although not a likely route of entry, tests have shown that polycarbonate absorbents are non-toxic if ingested. However, as in any instance of non-food consumption, seek medical attention in the event of any adverse symptoms.

Inhalation Exposure to respirable dust may cause respiratory tract and lung irritation.

**2.2 Label elements** Not applicable

**2.3 Other hazards**

**SECTION 3: Composition/information on ingredients**

**Ingredients Percent CAS #**

Sodium Polyacrylate Crosslinked >99% 9003-04-7

Post Treated – Trade Secret 0% Not Available

Component Information/Information on Non-Hazardous Components

The components of this product are not regulated as hazardous under 29CFR and 49CFR.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

Inhalation

If inhaled, move to source of fresh air. Seek medical attention if symptoms persist .

Skin Contact

Remove polyacrylate absorbent dust from skin using soap and water.

Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes.

Ingestion

Non-toxic by ingestion. However, if adverse symptoms appear, seek medical attention.

**4.2 Most important symptoms and effects, both acute and delayed**

See section 2.1

**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptoms as they occur

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

Dry chemical, foam, carbon dioxide, water fog. Extremely slippery conditions are created if spilled media comes in contact with water.

**5.2 Special hazards arising from the substance or mixture**

No recognised fire hazards associated with the finished product. No known hazardous combustion products.

**5.3 Advice for fire fighters**

Fire fighters should wear approved self-contained breathing apparatus

and full protective clothing.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Sweep or vacuum material when possible and shovel into a waste container.

**6.2 Environmental precautions**

This is a non-hazardous waste suitable for disposal in an approved solid waste landfill.

**6.3 Methods and material for containment and cleaning up**

Avoid respirable dust inhalation during clean-up. Wear appropriate respirator.

**6.4 Reference to other sections**

Not Applicable

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Handle as an eye and respiratory tract irritant.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in a dry, closed container.

**7.3 Specific end use**

Identified in Section 1.2

**SECTION 8: Exposure controls/personal protection**

**8.1 Control Parameters**

EU Limit No information available.

UK Limit No information available.

**8.2 Exposure controls**

Engineering controls Provide local exhaust ventilation to maintain worker exposure to less than 0.05mg/m over an eight-hour period.

Eye Protection Wear safety glasses with side shields or goggles.

Protective gloves Use impervious gloves when handling the product in the manufacturing environment.

Respirators Wear a respirator with a high efficiency filter if particulate concentrations in the work area exceed 0.05mg/m3 over and eight-hour period.

Other Obey reasonable safety precautions and practice good housekeeping. Wash thoroughly after handling.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Appearance White granular powder

Odour Odourless

Melting/freezing point >390 F

Initial boiling point/range Not Applicable

Flash point Not Applicable

Evaporation rate <1.0

Flammability (solid, gas) Not Applicable

Flammability or explosive limits Not Applicable

Vapour pressure <10 mm Hg

Relative density No data available

Solubility (H2O) Not soluble

Partition coef No data available

Auto-ignition temperature No data available

Decomposition temperature No data available

Viscosity No data available

Explosive properties No data available

Oxidising properties No data available

**9.2 Other information** Not available

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

Not available

**10.2 Chemical stability**

Stable

**10.3 Possibility of hazardous reactions**

Will not occur

**10.4 Conditions to avoid**

None known

**10.5 Incompatible materials**

None

**10.6 Hazardous decomposition products**

None known

**SECTION 11: Toxicological information**

**11.1 Information of toxicological effects**

This preparation has not been tested for toxicological effects. Based on the known effects of the ingredients, the product is classified for human health effects as indicated below.

Acute toxicity

Acute inhalation of respirable dust may cause irritation of the upper respiratory tract and lungs.

Acute toxicity LD50/LC50 Sodium polyacrylate (903-04-7)

LD50: Oral LD50 rat: 40gm/kg

Irritancy

Prolonged or repeated skin contact may cause irritation

Corrosivity

Not available

Sensitisation

Not available

Repeated dose toxicity

Chronic inhalation exposure to rats for a lifetime (two years) using sodium polyacrylate that had been micronized to a respirable particle size (less than 10 microns) produced non-specific inflammation and chronic lung injury and 0.2mg/m and 0.8mg/m.

Carcinogeicity

Not available

Toxicity for reproduction

Not available

**SECTION 12: Ecological information**

**12.1 Toxicity**

Composted polyacrylate absorbents are non-toxic to aquatic or terrestrial organisms at predicted exposure levels from current application rates.

**12.2 Persistence and degradability**

Polyacrylate absorbents are relatively inert in aerobic and anaerobic conditions.

**12.3 Bioaccumulative potential**

No information available

**12.4 Mobility soil**

Immobile in landfills and soil systems (>90% retention), with the mobile fraction showing biodegradability.

**12.5 Results of PBT and vPVP assessment**

No information available

**12.6 Other adverse effects**

No information available

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

This product is a non-hazardous waste material suitable for approved solid waste landfills. Dispose of in accordance with Local, State and Federal regulations. Incineration is a recommended method of disposal.

**SECTION 14: Transport information**

This product is not transport regulated.

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the mixture**

Not Applicable

**15.2 Chemical safety assessment**

Not Applicable

**SECTION 16: Other information**

Revisions

Currently in first version

Disclaimer: This information summarises our best knowledge of the health and safety

Hazard information of the product and how to safely handle and use the product. Each user should read this data sheet and consider the information in the context of how the product will be handled and used including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Steroplast Healthcare Limited.

We assume no legal responsibility for the use or reliance upon this information.