**SAFETY DATA SHEET**

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

**Material Synonyms** {{FORMATTED\_BATCH\_ID}}; CHARNWOOD DISCOVERY PHARMACEUTICAL RESEARCH COMPOUND;

ACTIVE PHARMACEUTICAL INGREDIENT.

**CAS Number** Unassigned

**Company Name** Charnwood Discovery, a trading name of Charnwood Molecular Ltd **Tel** +44 (0)1509 232007

Charnwood Campus, Building 42

9 Summerpool Road

Loughborough Leicestershire LE11 5RD

UNITED KINGDOM

2. COMPOSITION / INFORMATION ON INGREDIENTS

**Ingredients** **CAS RN Percentage**

{{FORMATTED\_BATCH\_ID}}; UNSPECIFIED ACTIVE PHARMACEUTICAL INGREDIENT. Unassigned 100

3. HAZARDS IDENTIFICATION

**Fire and Explosion** Assume that this material is capable of sustaining combustion. Assume that this material is capable of producing a dust explosion if ignited as a dust cloud. Assume that this material is capable of being ignited by an electrostatic discharge.

**Health** Caution – Pharmaceutical agent.

Caution - The toxicological properties of this material have not been fully investigated. Exposure might occur *via* inhalation; ingestion; skin; eyes.

**Environment** No information is available about the potential of this material to produce adverse environment effects.

4. FIRST-AID MEASURES

**Ingestion** Never attempt to induce vomiting. Do not attempt to give any solid or liquid by mouth if the exposed subject is unconscious or semi-conscious. Wash out the mouth with water. If the exposed subject is fully conscious, give plenty of water to drink. Obtain medical attention.

**Inhalation** Using appropriate personal protective equipment, move exposed subject to fresh air. If breathing is difficult or ceases, ensure and maintain ventilation. Give oxygen as appropriate. The exposed subject should be kept warm and at rest. Obtain medical attention in cases of known or possible over exposure, or with symptoms including chest pain, difficulty breathing, loss of consciousness or other adverse effects, which may be delayed.

**Skin Contact** Using appropriate personal protective equipment, remove contaminated clothing and flush exposed area with large amounts of water. Obtain medical attention if skin reaction occurs, which may be immediate or delayed.

**Eye Contact** Wash immediately with clean and gently flowing water. Continue for at least 15 minutes. Obtain medical attention.

**NOTES TO HEALTH PROFESSIONALS**

**Medical Treatment** Treat according to locally accepted protocols. For additional guidance, refer to the local poison control information centre.

**Medical Conditions** None for occupational exposure.

**Caused or Aggravated**

**by Exposure**

**Health Surveillance** Pre-placement and periodic health surveillance is not usually indicated. The final

**Procedures** determination of the need for health surveillance should be determined by local risk assessment.

**Antidotes** No specific antidotes are recommended.

5. FIRE-FIGHTING MEASURES

**Fire and Explosion Hazards** The flammability of this material has not been determined. As with many organic dusts, explosions can occur if this material is dispersed as a dust cloud and ignited.

**Extinguishing Media** Water, dry powder or foam extinguishers are recommended.Carbon dioxide extinguishers may be ineffective.

**Special Firefighting** Since toxic, corrosive or flammable vapours might be evolved from fires involvingthis material, self-**Procedures** contained breathing apparatus and full protective equipment are recommended for firefighters.

Move containers from the fire area if possible without increased personal risk. If possible, contain and collect firefighting water for later disposal.

**Hazardous Combustion** Toxic, corrosive or flammable thermal decomposition products are expected when the material is **Products** exposed to the fire.

6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions** Fence or cordon the affected area and do not allow individuals to touch or walk through the spilled material unless wearing appropriate protective clothing. Avoid dust generation.

**Environmental** Prevent entry to waterways, sewers, surface drainage systems and poorly ventilated.

**Precautions** areas. If spill is outdoors, cover with plastic sheet to minimise spreading or contact with rain.

**Clean-up Methods** Collect and place it in a suitable, properly labelled container for recovery or disposal. After all solid or absorbent material has been collected, the area should be vacuumed with HEPA filter-equipped apparatus.

**Decontamination** No specific decontamination or detoxification procedures have been identified for this material.

**Procedures** Consider use of water, detergent solutions or other soluble solvents (as specified in Section 9 of this SDS), for clean-up and decontamination operations.

7. HANDLING AND STORAGE

**HANDLING**

**General Requirements** Avoid dispersion as a dust cloud. Depending upon the scale of operation, use of appropriate exhaust ventilation is recommended to provide routine control of fire and explosion hazards during handling of this material.

**Ignition Control** Bond and earth (ground) all plant and equipment to ensure that no isolated conductors are present. Isolated conductors can accumulate sufficient electrostatic charge to produce discharges of many hundreds of milli-Joules.

**STORAGE** Keep material in tightly closed containers or packages away from moisture and away from sources of ignition. Avoid prolonged storage at elevated temperatures (greater than room temperature, approximately 20°C).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**OCCUPATIONAL EXPOSURE LIMITS**

**Charnwood Discovery Occupational Hazard Category** 3 PROVISIONAL

(Cat 1: >1000 - </=5000 mcg/m3, Cat 2: >100 - </=1000 mcg/m3, Cat 3: >10 - </=100 mcg/m3)

**ENGINEERING CONTROLS**

**Exposure Controls** Only limited health effects information is available. Exposure Control is established for operations involving this material based upon the OEL/Occupational Hazard Category and the outcome of a site or operation-specific risk assessment.

**Containment** Open handling is not recommended. Consider segregating operations, use of enclosures and sealed transfer systems.

**Ventilation** Local exhaust ventilation (LEV) should be used in conjunction with other control measures as a means of removing material incidentally released.

**Administrative** Entry to the working area should be controlled. Doors with interlocks may be needed for materials airlocks and lockers rooms. Only equipment and supplies necessary for job activities should be taken into working area.

**PERSONAL PROTECTIVE EQUIPMENT**

**Eye Protection** Wear approved safety glasses with side shields or cover goggles if eye contact is possible.

**Gloves** The selection of gloves for a specific activity must be based on the material’s properties and on possible permeation and degradation that may occur under the circumstances of use. Glove selection must take into account any solvents and other hazards present. Potential allergic reactions can occur with certain glove materials (e.g. Latex) and therefore these should be avoid. Care must be exercised if insufficient data are available and further guidance should be sought from your local EHS department.

**Respirators** If respiratory protective equipment (RPE) is used, the type of RPE will depend upon air concentrations present, required protection factor as well as hazards, physical properties and warning properties of substances present. Follow local regulations for respirator use in the workplace.

**Other Equipment** Consider control procedures for maintenance, cleaning and emergencies. Wear appropriate clothing **or Procedures** to avoid skin contact. An eye wash station should be available.

9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**

**Physical Form** {{Colour}} {{Appearance}}

**Dust Electrostatic Properties**

**Minimum Ignition Energy** No studies have been conducted.

**(Cloud)**

**Dust Explosion Properties**

**Kst** No studies have been conducted.

**Train Fire** No studies have been conducted.

10. STABILITY AND REACTIVITY

**Conditions to avoid** Avoid direct sunlight, conditions that might generate heat and dispersion as a dust cloud.

11. TOXICOLOGICAL INFORMATION

**Oral Toxicity** No studies have been conducted.

**Inhalation Toxicity** No studies have been conducted.

**Skin Effects** No studies have been conducted.

**Eye Effects** No studies have been conducted.

**Target Organ Effects** No specific target organ effects have been identified.

**Sensitisation** No studies have been conducted.

**Genetic Toxicity** No studies have been conducted.

**Carcinogenicity** No studies have been conducted and this material is not listed as a carcinogen by Charnwood Discovery.

**Reproductive Effects** Insufficient information available to classify for reproductive toxicity.

**Other Adverse Effects** None known for this material in humans.

12. ECOLOGICAL INFORMATION

**Summary** No information is available about the potential of this material to produce adverse environmental effects. Local regulations and procedures should be consulted prior to environmental release.

13. DISPOSAL CONSIDERATIONS

**Disposal** Collect for recycling or recovery if possible. The recommended method of disposal is

**Recommendations** incineration. Wherever possible, disposal should be in an on-site licenced chemical incinerator, if allowed by the incinerator licence or permit. If no on-site incinerator is available, dispose of material in a licenced commercial chemical incinerator.

**Regulatory Requirements** Observe all local and national regulations when disposing of this material.

14. TRANSPORT INFORMATION

The SDS should accompany all shipments for reference in the event of spillage or accidental release. Only authorised persons trained and competent in accordance with appropriate national and international regulatory requirements may prepare dangerous goods for transport.

**UN Classification and Labelling**

**Technical Name** {{FORMATTED\_BATCH\_ID}}; CHARNWOOD DISCOVERY PHARMACEUTICAL RESEARCH COMPOUND; ACTIVE PHARMACEUTICAL INGREDIENT; SOLID.

**Proper Shipping Name** Toxic solid, organic, nos (CHARNWOOD DISCOVERY PHARMACEUTICAL RESEARCH COMPOUND, API, SOLID).

**UN Number** UN 2811

 **Class/Division** 6.1

**Subsidiary Risk** None

**Packing Group** III

**Risk Label(s)** Class 6.1 Toxic

**International Air Transport (IATA Requirements)**

**Classification and Labelling** As UN Classification and Labelling above

**International Maritime Transport (IMDG Requirements)**

**Classification and Labelling**  As UN Classification and Labelling above

**US Domestic Transport (DOT Requirements)**

**Classification and Labelling** As UN Classification and Labelling above

**European Ground Transport (ADR/RID Requirements)**

**Classification and Labelling** As UN Classification and Labelling above

15. REGULATORY INFORMATION

The information included below is an overview of the major regulatory requirements. It should not be considered to be an exhaustive summary. Local regulations should be consulted for additional requirements.

**EU Classification and Labelling**

None.

**US OSHA Standard (29 CFR Part 1910.1200)**

**Classification** This material is not classified as hazardous according to the OSHA Hazard Communication Standard.

**Target Organ Statement** No specific target organ effects known.

**Other US Regulations**

**TSCA Status** Exempt.

16. OTHER INFORMATION

**References** Charnwood Discovery Hazard Determination

**Date Approved/Revised** 11th October 2023. **SDS Version Number 3**

IDENTIFICATION OF SUBSTANCE / PREPARATION AND TRANSPORT INFORMATION

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create any warranty, express or implied. It is the responsibility of the user to determine the applicability of this information and the suitability of the material or product for any particular purpose.