

## MATERIAL SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

Product name: **2,3,5-Tribenzoyl- $\beta$ -D-Ribofuranose-1-Acetate**  
CAS No 6974-32-9  
Catalog **CGSPP-3300**  
Synonym/Trade Name:  $\beta$ -D-Ribofuranose 1-Acetate 2,3,5-Tribenzoate

Manufacturer or supplier's: ChemGenes India Pvt. Ltd  
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### SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture  
This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008
- 2.2 Label elements
- |                              |                |
|------------------------------|----------------|
| Pictograms or hazard symbols | None           |
| Signal word                  | No signal word |
| Hazard statements            | None           |
| Precautionary statements     | None           |
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- |       |                |
|-------|----------------|
| PBT:  | Not applicable |
| vPvB: | Not applicable |

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Components:  $\beta$ -D-Ribofuranose 1-Acetate 2,3,5-Tribenzoate  
Percent: >98.0%(HPLC)  
CAS: 6974-32-9  
EC-No: 230-220-4  
Synonyms: 1-O-Acetyl-2,3,5-tri-O-benzoyl- $\beta$ -D-ribofuranose  
Chemical Formula: C<sub>28</sub>H<sub>24</sub>O<sub>9</sub>

### SECTION 4: FIRST AID MEASURES

- 4.1 Description of first aid measures

- Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- Skin contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.
- Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Ingestion: Get medical advice/attention if you feel unwell. Rinse mouth.
- Protection of first-aiders: A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.

4.2 Most important symptoms and effects, both acute and delayed  
No data available

4.3 Indication of any immediate medical attention and special treatment needed  
No data available

#### **SECTION 5: FIREFIGHTING MEASURES**

- 5.1 Extinguishing media  
Suitable extinguishing media: Dry chemical, foam, water spray, carbon dioxide.
- 5.2 Special hazards arising from the substance or mixture  
Carbon dioxide, Carbon monoxide
- 5.3 Advice for firefighters  
Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so. When extinguishing fire, be sure to wear personal protective equipment

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal precautions, protective equipment and emergency procedures  
Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc
- 6.2 Environmental precautions Prevent product from entering drains
- 6.3 Methods and materials for containment and cleaning up

Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

6.4 Reference to other sections For disposal see section 13.

### **SECTION 7: HANDLING AND STORAGE**

- 7.1 Precautions for safe handling Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling. Use a local exhaust if dust or aerosol will be generated. Avoid contact with skin, eyes and clothing.
- 7.2 Conditions for safe storage, including any incompatibilities Keep container tightly closed. Store in a cool and dark place. Store away from incompatible materials such as oxidizing agents.
- 7.3 Specific end use(s) No further relevant information available.

### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

- 8.1 Control parameters No data available
- 8.2 Exposure controls Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.
- Respiratory protection: Dust respirator. Follow local and national regulations.
- Hand protection: Protective gloves.
- Eye protection: Safety glasses. A face-shield, if the situation requires.
- Skin and body protection: Protective clothing. Protective boots, if the situation requires.

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

- 9.1 Information on basic physical and chemical properties
- Physical state (20°C): Solid
- Form: Crystal - Powder
- Colour: White - Pale yellow
- Odour: No data available
- pH: No data available
- Melting point/freezing point: 129°C
- Boiling point/range: No data available
- Flash point: No data available (Calculated value: >60°C)

Flammability or explosive limits:  
    Lower: No data available  
    Upper: No data available  
Relative density: No data available  
Solubility(ies):  
[Water] No data available  
[Other solvents]  
Slightly soluble: Methanol  
Partition coefficient: n-octanol/water: No data available  
  
Autoignition temperature: No data available  
Decomposition temperature: No data available  
Dynamic Viscosity: No data available  
Kinematic viscosity: No data available

9.2 Other safety information No data available

**SECTION 10: STABILITY AND REACTIVITY**

10.1 Reactivity No data available  
10.2 Chemical stability Stable under proper conditions.  
10.3 Possibility of hazardous reactions No special reactivity has been reported.  
10.4 Conditions to avoid No data available  
10.5 Incompatible materials Oxidizing agents  
10.6 Hazardous decomposition products Carbon dioxide, Carbon monoxide

**SECTION 11: TOXICOLOGICAL INFORMATION**

11.1 Information on toxicological effects

Acute Toxicity:  
Skin corrosion/irritation:  
Serious eye damage/irritation:  
Germ cell mutagenicity:  
Carcinogenicity:  
Reproductive toxicity:

\*We judged that this product was not classified into Class 6.1 Toxic Substance of current edition of IATA Dangerous Goods Regulations (DGR) according to acute toxicity values and/or Quantitative Structure-Activity Relationship (QSAR).

**SECTION 12: ECOLOGICAL INFORMATION**

12.1 Toxicity  
    Fish: No data available  
    Crustacea: No data available  
    Algae: No data available  
  
12.2 Persistence and degradability No data available

|      |                                    |                   |
|------|------------------------------------|-------------------|
| 12.3 | Bioaccumulative potential          | No data available |
| 12.4 | Mobility in soil                   |                   |
|      | Log Pow:                           | No data available |
|      | Soil adsorption (Koc):             | No data available |
|      | Henry's Law (PaM 3/mol):           | No data available |
| 12.5 | Results of PBT and vPvB assessment |                   |
|      | PBT:                               | Not applicable    |
|      | vPvB:                              | Not applicable    |
| 12.6 | Other adverse effects              | No data available |

### **SECTION 13: DISPOSAL CONSIDERATIONS**

#### 13.1 Waste treatment methods

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

### **SECTION 14: TRANSPORT INFORMATION**

|      |                              |  |
|------|------------------------------|--|
| 14.1 | UN number                    | Not listed   |
| 14.2 | UN proper shipping name      |  |
|      | ADR/RID                      | Not listed   |
|      | IMDG/IMO                     | Not listed   |
|      | ICAO/IATA                    | Not listed   |
| 14.3 | Transport hazard class(es)   |  |
|      | ADR/RID                      | Does not correspond to the classification standard of the United Nations |
|      | IMDG/IMO                     | Does not correspond to the classification standard of the United Nations |
|      | ICAO/IATA                    | Does not correspond to the classification standard of the United Nations |
| 14.4 | Packaging group              |  |
|      | ADR/RID                      | -  |
|      | IMDG/IMO                     | -  |
|      | ICAO/IATA                    | -  |
| 14.5 | Environmental hazards        |  |
|      | Marine pollutant             | -  |
| 14.6 | Special precautions for user | No data available  |

This substance is not regulated by IATA/ICAO/ARD/RID/IMO/IMDG and is considered to be Non Hazardous for transport by Air/Rail/Road/Sea

**SECTION 15: REGULATORY INFORMATION**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No.1907/2006 Not listed
- 15.2 Chemical safety assessment A chemical safety assessment has not been carried out.

**SECTION 16: OTHER INFORMATION**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. ChemGenes (I) Pvt. Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.

-----End of MSDS-----