MATERIAL SAFETY DATA SHEET

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SUCROSE

SECTION 1: PRODUCT IDENTIFICATION

Product Name: SUCROSE Product Code: TMB 074 CAS#: 57-50-1 Synonym: Not Available Chemical Name: Not Available Chemical Formula: C₁₂H₂₂O₁₁ Formula Weight: 342.3

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Name: SUCROSE Toxicological Data on Ingredients: Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

SECTION 3: HAZARDS IDENTIFICATION

Potential Acute Health Effects: Hazardous in case of eye contact (irritant), of ingestion, of inhalation Potential Chronic Health Effects: Slightly hazardous in case of eye contact (irritant), of ingestion, of inhalation Carcinogenic effects: Not available. Mutagenic effects: Not available.. Teratogenic effects: Not available. Developmental toxicity: Not available

SECTION 4: FIRST AID MEASURES

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact: Wash off immediately with soap and plenty of water. Cover the irritated skin with emollient. Immediate medical attention is required.

Serious Skin Contact: Not available.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

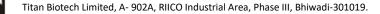
Serious Inhalation: Not Available.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available..

SECTION 5: FIRE FIGHTING MEASURES

Flammability of the Product: May be combustible at high temperature Auto-Ignition Temperature: Not Available Flash Points: Not Applicable Flammable Limits: Not Applicable Products of Combustion: Carbon oxides, Fire Hazards in Presence of Various Substances: Not Applicable







Explosion Hazards in Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact: Not Available Risks of explosion of the product in presence of static discharge: Not available Fire Fighting Media and Instructions: Small fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Large fire: Alcohol-resistant foam, dry chemical or carbon dioxide. Special Remarks on Fire Hazards: Not Applicable

Special Remarks on Explosion Hazards: Not Applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. **Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

SECTION 7: HANDLING AND STORAGE

Precautions: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses, Lab coat, Dust respirator, Gloves. Be sure to use an approved/certified respirator or equivalent.

Personal Protection in Case of a Large Spill:

Splash goggles, Full suit, Dust respirator, Boots, Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not Available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance	:	White crystalline powder	
Odor	:	Not available	
Taste	:	Not available	
РН	:	Not available	
Boiling Point	:	Not available	
Melting Point	:	168 - 170 °C(334.4°F)	
Critical Temperature	:	Not available	
Specific Gravity	:	Not available	
Vapor Pressure	:	Not applicable	
Vapor Density	:	Not available	
Volatility	:	Not available	
Odor Threshold	:	Not available	



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Water/Oil Dist. Coeff.	:	Not available
Ionicity (in Water)	:	Not available
Dispersion Properties	:	Not available
Solubility	:	Not available

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: The product is chemically stable under standard ambient conditions.
Instability Temperature: Not available
Conditions of Instability: Moisture
Incompatibility with various substances: Strong oxidizing material
Corrosivity: Non-corrosive.
Special Remarks on Corrosivity: Non corrosive.
Special Remarks on Reactivity: Not available
Polymerization: Not available.

SECTION 11: TOXICOLOGICAL INFORMATION.

Routes of Entry: Not available Toxicity to Animals: LD₅₀: Not available LC₅₀: Not available Chronic Effects on Humans: Not available Other Toxic Effects on Humans: Not available Special Remarks on Toxicity to Animals: Not available Special Remarks on Chronic Effects on Humans: Not available Special Remarks on other Toxic Effects on Humans: Not available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not Available.
BOD and COD: Not Available.
Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation: The products of degradation are more toxic.
Special Remarks on the Products of Biodegradation: Not Available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).Identification: Not applicable.Special Provisions for Transport: Not applicable.

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Titan Biotech Limited, A- 902A, RIICO Industrial Area, Phase III, Bhiwadi-301019.



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This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

SECTION 16: OTHER INFORMATION

References: Full text of H AND R-Statements. Not available Other Special Considerations: Not available

The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.