

### Section 1: Identification

<b>Common Name/Trade Name</b>	DEXTROSE ANHYDROUS GRANULAR USP	
<b>Supplier Information</b>	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	<b>IN CASE OF EMERGENCY:</b> Chemtrec 1 (800) 424-9300 (24 hours)
<b>Product Synonym(s)</b>	Dextrose	
<b>Relevant Use(s) of Product</b>	Manufacture or Compounding of Substances	

### Section 2: Hazards Identification

<b>Classification of Substance or Mixture</b>	-Combustible Dust
<b>Signal Word</b>	None
<b>Hazard Statement(s)</b>	N/A
<b>Pictogram(s)</b>	N/A
<b>Precautionary Statement(s)</b>	N/A
<b>Hazards Not Otherwise Classified</b>	No data available
<b>Ingredient(s) with Unknown Toxicity</b>	No data available

### Section 3: Composition/Information on Ingredients

<b>Chemical Name</b>	Dextrose
<b>Common Name</b>	Dextrose
<b>CAS Number</b>	50-99-7
<b>Impurities and/or Stabilizing Additives</b>	No data available

### Section 4: First Aid Measures

<b>General Advice</b>	No data available
<b>If Inhaled</b>	Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
<b>In Case of Skin Contact</b>	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.
<b>In Case of Eye Contact</b>	Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
<b>If Swallowed</b>	If a large amount is swallowed, get medical attention.
<b>Most Important Symptoms and Effects</b>	Acute: None. Delayed: None.

### Section 5: Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	Carbon dioxide. Water spray. Foam. Remove product from area of fire. Wet the material with water to limit dust emission or explosion. Suitable extinguishing media. Avoid inhalation of the product. Stay upwind/keep distance from source.
<b>Special Hazards Arising From the Substance/Mixture</b>	May form combustible dust concentrations in air. This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, Calculators, and pagers which have not been certified as intrinsically safe). Use explosion-proof electrical equipment. Contact with combustible material may cause fire.
<b>Special PPE and/or Precautions for Firefighters</b>	In case of fire: Wear self-contained breathing apparatus. Wear suitable protective clothing.

### Section 6: Accidental Release Measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	See protective measures under point 7 and 8.
<b>Methods and Materials Used for Containment</b>	Avoid generation of dust. Remove all sources of ignition. Ensure that the equipment is adequately grounded. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Cleanup Procedures</b>	Avoid generation of dust. Remove all sources of ignition. Ensure that the equipment is adequately grounded. Dispose of contents/container in accordance with local/regional/national/international regulations.

## Section 7: Handling and Storage

<b>Precautions for Safe Handling</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take care for general good hygiene and housekeeping.
<b>Conditions for Safe Storage</b>	None needed according to classification criteria Store in accordance with local/regional/national/international regulations. Store in a well-ventilated place. Keep container tightly closed. Store in a dry place. Avoid generation of dust. Incompatible Materials Oxidizing agents. Combustible substance.

## Section 8: Exposure Controls/Personal Protection

<b>Components with Workplace Control Parameters</b>	ACGIH, NIOSH, EU, OSHA (US) and Mexico have not developed exposure limits for any of this product's components. There are no biological limit values for any of this product's components.
<b>Appropriate Engineering Controls</b>	Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).
<b>PPE - Eye/Face Protection</b>	If eye contact is likely, wear chemical resistant safety goggles.
<b>PPE - Skin Protection</b>	Protective clothing is not required under normal conditions.
<b>PPE - Body Protection</b>	Protective clothing is not required under normal conditions.
<b>PPE - Respiratory Protection</b>	Respiratory protection is not required under normal conditions of use. If respirable dusts are generated, respiratory protection may be needed.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	White Crystalline Powder
<b>Upper/Lower Flammability or Explosive Limits</b>	Not available
<b>Odor</b>	No detectable foreign odor
<b>Vapor Pressure</b>	Not available
<b>Odor Threshold</b>	Not available
<b>Vapor Density</b>	Not available
<b>pH</b>	Not available
<b>Relative Density</b>	57 Lbs./ft3 (packing density)
<b>Melting Point/Freezing Point</b>	Not available
<b>Solubility</b>	Not available
<b>Initial Boiling Point and Boiling Range</b>	Not available
<b>Flash Point</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Flammability (Solid, Gas)</b>	Not available
<b>Partition Coefficient</b>	Not available
<b>Auto-Ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available

## Section 10: Stability and Reactivity

<b>Reactivity</b>	No known hazardous reactions.
<b>Chemical Stability</b>	The product is stable under storage at normal ambient temperatures.
<b>Possibility of Hazardous Reactions</b>	None.
<b>Conditions to Avoid</b>	Avoid generation of dust. Remove all sources of ignition.
<b>Incompatible Materials</b>	Oxidizing agents. Combustible substance.
<b>Hazardous Decomposition Products</b>	Carbon dioxide. Carbon monoxide.

## Section 11: Toxicological Information

<b>Acute Toxicity - LD50 Oral</b>	Oral LD50 Rat 25800 mg/kg
<b>Acute Toxicity - Inhalation</b>	May cause respiratory irritation.
<b>Acute Toxicity - Dermal</b>	No data available
<b>Acute Toxicity - Eye</b>	Irritation to eyes. Corneal opacity.
<b>Skin Corrosion/Irritation</b>	No data available
<b>Serious Eye Damage/Irritation</b>	No data available
<b>Respiratory or Skin Sensitization</b>	No data available
<b>Germ Cell Mutagenicity</b>	No data available
<b>Carcinogenicity IARC</b>	None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA
<b>Carcinogenicity ACGIH</b>	None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA
<b>Carcinogenicity NTP</b>	None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA
<b>Carcinogenicity OSHA</b>	None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA
<b>Reproductive Toxicity</b>	No data available
<b>Specific Target Organ Toxicity - Single Exposure</b>	No data available
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	No data available
<b>Aspiration Hazard</b>	No data available

## Section 12: Ecological Information

<b>Toxicity</b>	Avoid release to the environment. No LOLI ecotoxicity data are available for this product's components
<b>Persistence and Degradability</b>	Biodegradable.
<b>Bio-accumulative Potential</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other Adverse Effects</b>	No data available

## Section 13: Disposal Considerations

<b>Waste Treatment Methods Product</b>	Contain and dispose of waste according to local regulations. The U.S. EPA has not published waste numbers for this product's components
<b>Waste Treatment Methods Packaging</b>	Contain and dispose of waste according to local regulations
<b>Special Precautions Landfill or Incinerations</b>	No data available
<b>Other Information</b>	No data available

## Section 14: Transport Information

<b>UN Number</b>	Not dangerous goods.
<b>UN Proper Shipping Name</b>	N/A
<b>Transport Hazard Class(es)</b>	N/A
<b>Packaging Group</b>	N/A
<b>Environmental Hazards</b>	N/A

## Section 15: Regulatory Information

U.S. Federal Regulations None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan. FDA - Direct Food Additive No components of this material are listed. FDA - Food additives Generally Recognized as Safe(GRAS) The following component(s) of this product are listed on the FDA - Food additives Generally Recognized as Safe(GRAS): Dextrose (50-99-7) FDA - Food additives Generally Recognized as Safe(GRAS) –Select Committee on GRAS Substances(SCOGS) The following component(s) of this product are listed on the FDA - Food additives Generally Recognized as Safe(GRAS) – Select Committee on GRAS Substances(SCOGS): Dextrose (50-99-7) FDA - Food additives Permitted in Food on an Interim Basis No components of this material are listed. FDA - Substances Prohibited from use in human food No components of this material are listed. U.S. State Regulations None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA Not listed under California Proposition 65. Canada Regulations Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL. Component Analysis - Inventory Dextrose (50-99-7) US-Yes, CA-DSL, EU-EIN, AU-Yes, PH-Yes, JP-ENCS-Yes, JP-ISHL-No, KR-KECI/KECL-Yes, KR-TCCA-No, CN-Yes, NZ-Yes, MX-Yes.

## Section 16: Other Information

<b>Additional Information</b>	May form combustible dust concentrations in air.
<b>Prepared By</b>	Lisa Russell
<b>Revision Date</b>	01/08/2019 16:47

### Disclaimer

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