

Section 1: Identification

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

Section 2: Hazards Identification

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

Section 3: Composition/Information on Ingredients

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

Section 4: First Aid Measures

General Advice	No data available
If Inhaled	Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
In Case of Skin Contact	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.
In Case of Eye Contact	Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
If Swallowed	If a large amount is swallowed, get medical attention.
Most Important Symptoms and Effects	Acute: None. Delayed: None.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	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.
Special Hazards Arising from the Substance/Mixture	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.
Special PPE and/or Precautions for Firefighters	In case of fire: Wear self-contained breathing apparatus. Wear suitable protective clothing.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	See protective measures under point 7 and 8.
Methods and Materials Used for Containment	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.
Cleanup Procedures	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

Precautions for Safe Handling	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take care for general good hygiene and housekeeping.
Conditions for Safe Storage	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

Components with Workplace Control Parameters	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.
Appropriate Engineering Controls	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).
PPE - Eye/Face Protection	If eye contact is likely, wear chemical resistant safety goggles.
PPE - Skin Protection	Protective clothing is not required under normal conditions.
PPE - Body Protection	Protective clothing is not required under normal conditions.
PPE - Respiratory Protection	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

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

Section 10: Stability and Reactivity

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

Section 11: Toxicological Information

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

Section 12: Ecological Information

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

Section 13: Disposal Considerations

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

Section 14: Transport Information

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

Additional Information	May form combustible dust concentrations in air.
Prepared By	Lisa Russell
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