

## Section 1: Identification

<b>Common Name/Trade Name</b>	LACTOSE MONO SPRAY DRIED	
<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>	Milk Sugar	
<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>	May form explosible dust-air mixture if dispersed
<b>Ingredient(s) with Unknown Toxicity</b>	No data available

## Section 3: Composition/Information on Ingredients

<b>Chemical Name</b>	Lactose, monohydrate
<b>Common Name</b>	Lactose Monohydrate, NF Spray Dried
<b>CAS Number</b>	64044-51-5
<b>Impurities and/or Stabilizing Additives</b>	No data available

## Section 4: First Aid Measures

<b>General Advice</b>	If medical advice is needed, have product container or label at hand.
<b>If Inhaled</b>	If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Obtain medical attention if breathing difficulties persists.
<b>In Case of Skin Contact</b>	Rinse with plenty of water.
<b>In Case of Eye Contact</b>	Rinse with water while holding eyelids open. If eye irritant persists: Get medical advice and attention.
<b>If Swallowed</b>	Do not induce vomiting. Seek medical attention if a large amount is swallowed.
<b>Most Important Symptoms and Effects</b>	Prolonged contact with large amounts of dust may cause mechanical irritation. Symptoms/injuries after inhalation: None under normal use. Over exposure may be irritating to the respiratory system. Symptoms/injuries after skin contact: None under normal use. Prolonged contact with large amount of dust may cause mechanical irritation. Symptoms/injuries after eye contact: None under normal use. Prolonged contact with large amount of dust may cause mechanical irritation. Symptoms/injuries after ingestion: None under normal use. Chronic symptoms: Prolonged inhalation of dust may cause respiratory irritation.

## Section 5: Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	Not considered flammable but will burn at high temperatures. Use extinguishing media appropriate for surrounding fire.
<b>Special Hazards Arising From the Substance/Mixture</b>	Fire Hazard: Combustible Dust. Dust explosion hazard in air. Explosion Hazard: Dust clouds can be explosive. Avoid dust clouds in combination with static electricity. Reactivity : Stable at ambient temperature and under normal conditions of use.
<b>Special PPE and/or Precautions for Firefighters</b>	Do not breathe fumes from fires or vapours from decomposition. Use normal individual protective equipment.

## Section 6: Accidental Release Measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Handle in accordance with good industrial hygiene and safety practice. Good housekeeping is needed during storage, transfer, handling, and use of this material to avoid excessive dust accumulation.
<b>Methods and Materials Used for Containment</b>	Contain and collect as any solid. Ventilate area.
<b>Cleanup Procedures</b>	Collect as any solid. If possible, stop flow of product. Contain and collect as any solid. Ventilate area. Avoid generation of dust during clean-up of spills.

## Section 7: Handling and Storage

<b>Precautions for Safe Handling</b>	Handle in accordance with good industrial hygiene and safety procedures. Good housekeeping is needed during storage, transfer, handling, and use of this material to avoid excessive dust accumulation. Take precautionary measures against static discharge.
<b>Conditions for Safe Storage</b>	Protect from moisture. Store in a dry, cool place. Keep container tightly closed.

## Section 8: Exposure Controls/Personal Protection

<b>Components with Workplace Control Parameters</b>	No additional information available.
<b>Appropriate Engineering Controls</b>	Avoid dust production. Ensure adequate ventilation, especially in confined areas. Take precautionary measures against static discharges.
<b>PPE - Eye/Face Protection</b>	Safety glasses. Ensure adequate ventilation, especially in confined areas. Emergency eye fountains should be available in the immediate vicinity of any potential exposure.
<b>PPE - Skin Protection</b>	Wear suitable protective clothing.
<b>PPE - Body Protection</b>	Wear suitable protective clothing.
<b>PPE - Respiratory Protection</b>	Not required for normal conditions of use. In case of inadequate ventilation wear respiratory protection.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Form: Solid, Powder Colour: White
<b>Upper/Lower Flammability or Explosive Limits</b>	No data available
<b>Odor</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Odor Threshold</b>	No data available
<b>Vapor Density</b>	No data available
<b>pH</b>	Slightly acidic. Concentration of pH solution: 10%
<b>Relative Density</b>	No data available
<b>Melting Point/Freezing Point</b>	202 C (396F)
<b>Solubility</b>	Soluble. Water 21.6 g/100ml at 25C (77F)
<b>Initial Boiling Point and Boiling Range</b>	No data available
<b>Flash Point</b>	No data available
<b>Evaporation Rate</b>	No data available
<b>Flammability (Solid, Gas)</b>	No data available
<b>Partition Coefficient</b>	No data available
<b>Auto-Ignition Temperature</b>	Self ignition temperature: 360 - 470C (680F-878F)
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	No data available

## Section 10: Stability and Reactivity

<b>Reactivity</b>	Stable at ambient temperature and under normal conditions of use.
<b>Chemical Stability</b>	Stable at standard temperature and pressure.
<b>Possibility of Hazardous Reactions</b>	Hazardous polymerization will not occur.
<b>Conditions to Avoid</b>	Use good housekeeping practices during storage, transfer, handling, to avoid excessive dust accumulation.
<b>Incompatible Materials</b>	No data available
<b>Hazardous Decomposition Products</b>	Under conditions of fire this material may produce: Carbon dioxide. Carbon monoxide.

## Section 11: Toxicological Information

<b>Acute Toxicity - LD50 Oral</b>	Not classified.
<b>Acute Toxicity - Inhalation</b>	Not classified.
<b>Acute Toxicity - Dermal</b>	Not classified.
<b>Acute Toxicity - Eye</b>	Not classified.
<b>Skin Corrosion/Irritation</b>	Not classified.
<b>Serious Eye Damage/Irritation</b>	Not classified.
<b>Respiratory or Skin Sensitization</b>	Not classified.
<b>Germ Cell Mutagenicity</b>	Not classified.
<b>Carcinogenicity IARC</b>	Not classified.
<b>Carcinogenicity ACGIH</b>	Not classified.
<b>Carcinogenicity NTP</b>	Not classified.
<b>Carcinogenicity OSHA</b>	Not classified.
<b>Reproductive Toxicity</b>	Not classified.
<b>Specific Target Organ Toxicity - Single Exposure</b>	Not classified.
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	Not classified.
<b>Aspiration Hazard</b>	Not classified.

## Section 12: Ecological Information

<b>Toxicity</b>	No data available
<b>Persistence and Degradability</b>	Product is 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>	Do not dispose of waste into sewer.
<b>Waste Treatment Methods Packaging</b>	Dispose of waste material in accordance with all local, regional, national, and international 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

US Federal regulations The Product is intended for human consumption and therefore is subject to substantial regulatory oversight by the United States, including but not limited to the Federal Food, Drug, and Cosmetic Act and the Food Safety Modernization Act. EU Regulations Contains no REACH Annex XVII restrictions or REACH candidate substances This substance is for consumption and as such, is exempt from REACH registration requirements Chemical Safety Assessment : Not applicable National regulations The Product is intended for human consumption and therefore is usually subject to regulatory oversight by any nation to which it is exported. US State Regulations The Product is intended for human consumption and therefore is subject to regulatory oversight by the states, including but not limited to the Wisconsin Food Code.

## Section 16: Other Information

<b>Additional Information</b>	N/A
<b>Prepared By</b>	Scarlotte Smith
<b>Revision Date</b>	01/16/2019 16:25

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