Section 1: Identification

Common Name/Trade Name	LACTOSE MONOHYDRATE NF	
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)** NSW Poisons Information Centre: 131 126 (24 hours)
Distributor Name	Bella Corp Trading Pty Ltd 6/34 Dominions Road, Ashmore QLD 4214, Australia Telephone: 07 5597 4169 Email: bellacorp@bellacorp.com.au	
Product Synonym(s)	Milk Sugar	
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)	P210 P233	Keep away from heat/sparks/open flames/hot surfaces – No smoking. Keep container tightly closed.
Hazards Not Otherwise Classified	May form explosible dust-air mixture if dispersed. Prevent dust accumulation.	
Ingredient(s) with Unknown Toxicity	No data available	

Section 3: Composition/Information on Ingredients

Chemical Name	D-Glucose, 4-O-.beta.-D-galactopyranosyl-
Common Name	Lactose Monohydrate NF
CAS Number	64044-51-5
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	If medical advice is needed, have product container or label at hand.
If Inhaled	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
In Case of Skin Contact	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
In Case of Eye Contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
If Swallowed	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Most Important Symptoms and Effects	Eye contact: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes. Inhalation: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. Eye contact: Adverse symptoms may include the following: irritation, redness. Inhalation: Adverse symptoms may include the following: respiratory tract irritation, coughing. Ingestion: Irritating to mouth, throat and stomach. Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Protection to first aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Suitable extinguishing media: Use dry chemical powder. Unsuitable extinguishing media: Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.
Special Hazards Arising From the Substance/Mixture	Specific hazards arising from the chemical: May form explosible dust-air mixture if dispersed. Hazardous thermal decomposition products: Decomposition products may include the following materials: carbon dioxide, carbon monoxide.
Special PPE and/or Precautions for Firefighters	Special protective actions for firefighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Special protective equipment for firefighters: Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel."
Methods and Materials Used for Containment	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Cleanup Procedures	Small spill: Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Large spill: Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7: Handling and Storage

Precautions for Safe Handling	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for Safe Storage	Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	Occupational exposure limits: None.
Appropriate Engineering Controls	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
PPE - Eye/Face Protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. If operating conditions cause high dust concentrations to be produced, use dust goggles.
PPE - Skin Protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
PPE - Body Protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
PPE - Respiratory Protection	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9: Physical and Chemical Properties

Appearance	Physical state: Solid [Powder.] Color: White
Upper/Lower Flammability or Explosive Limits	Not available.
Odor	Odorless
Vapor Pressure	Not available.
Odor Threshold	Not available.
Vapor Density	Not available.
pH	Not available.
Relative Density	1.0
Melting Point/Freezing Point	Not available.
Solubility	Not available.
Initial Boiling Point and Boiling Range	Not available.
Flash Point	93.33°C (199.99°F)
Evaporation Rate	Not available.
Flammability (Solid, Gas)	Not available.
Partition Coefficient	Not available.
Auto- Ignition Temperature	Not available.: 360 – 470°C (680°F – 878°F)
Decomposition Temperature	Not available.
Viscosity	Not available.

Section 10: Stability and Reactivity

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical Stability	The product is stable.
Possibility of Hazardous Reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to Avoid	Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation.
Incompatible Materials	Reactive or incompatible with the following materials: oxidising materials
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	Not available. Irritating to mouth, throat and stomach
Acute Toxicity - Inhalation	Not available. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. Adverse symptoms may include the following: respiratory tract irritation, coughing
Acute Toxicity - Dermal	Not available.
Acute Toxicity - Eye	Not available. Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes. Adverse symptoms may include the following: irritation, redness
Skin Corrosion/Irritation	Not available.
Serious Eye Damage/Irritation	Not available.
Respiratory or Skin Sensitization	Not available.
Germ Cell Mutagenicity	No known significant effects or critical hazards.
Carcinogenicity IARC	No known significant effects or critical hazards.
Carcinogenicity ACGIH	No known significant effects or critical hazards.
Carcinogenicity NTP	No known significant effects or critical hazards.
Carcinogenicity OSHA	No known significant effects or critical hazards.
Reproductive Toxicity	No known significant effects or critical hazards.
Specific Target Organ Toxicity - Single Exposure	Not available.
Specific Target Organ Toxicity - Repeated Exposure	Not available.
Aspiration Hazard	Not available.

Section 12: Ecological Information

Toxicity	Not available.
Persistence and Degradability	Not available.
Bio- accumulative Potential	Not available.
Mobility in Soil	Not available.
Other Adverse Effects	No known significant effects or critical hazards.

Section 13: Disposal Considerations

Waste Treatment Methods Product	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Waste Treatment Methods Packaging	No data available
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: TSCA 8(a) CDR Exempt/Partial exemption: Not determined Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs): Not listed Clean Air Act Section 602 Class I Substances: Not listed Clean Air Act Section 602 Class II Substances: Not listed DEA List I Chemicals (Precursor Chemicals): DEA List II Chemicals (Essential Chemicals): SARA 302/304 Composition/information on ingredients No products were found. SARA 304 RQ: Not applicable. SARA 311/312 Classification: COMBUSTIBLE DUSTS Composition/information on ingredients State regulations Massachusetts: None of the components are listed. New York: None of the components are listed. New Jersey: None of the components are listed. Pennsylvania: None of the components are listed. California Prop. 65 This product does not require a Safe Harbor warning under California Prop. 65. International regulations Chemical Weapon Convention List Schedules I, II & III Chemicals Chemical Weapons Convention List Schedule I Chemicals Chemical Weapons Convention List Schedule II Chemicals Chemical Weapons Convention List Schedule III Chemicals Montreal Protocol None of the components are listed. Stockholm Convention on Persistent Organic Pollutants Annex A - Elimination - Production None of the components are listed.Annex A - Elimination - Use None of the components are listed. Annex B - Restriction - Production None of the components are listed. Annex B - Restriction - Use None of the components are listed. Annex C - Unintentional - Production None of the components are listed. Rotterdam Convention on Prior Informed Consent (PIC) Rotterdam Convention on Prior Informed Consent (PIC) - Industrial Rotterdam Convention on Prior Informed Consent (PIC) - Pesticide Rotterdam Convention on Prior Informed Consent (PIC) - Severely hazardous pesticide UNECE Aarhus Protocol on POPs and Heavy Metals Heavy metals - Annex 1 None of the components are listed. POPs - Annex 1 - Production None of the components are listed. POPs - Annex 1 - Use None of the components are listed. POPs - Annex 2 None of the components are listed. POPs - Annex 3 None of the components are listed. Inventory list Australia: All components are listed or exempted. Canada: All components are listed or exempted. China: All components are listed or exempted. Europe: All components are listed or exempted. Japan: Japan inventory (ENCS): Not determined. Japan inventory (ISHL): All components are listed or exempted. New Zealand: All components are listed or exempted. Philippines: All components are listed or exempted. Republic of Korea: All components are listed or exempted. Taiwan: All components are listed or exempted. Thailand: Not determined. Turkey: Not determined. United States: Not determined. Viet Nam: Not determined.

Section 16: Other Information

Additional Information	HMIS (USA): Health: 0, Flammability: 1, Physical hazards:0. NFPA (USA): Health: 0, Flammability: 3, Instability: 0.
Prepared By	Scarlotte Smith
Revision Date	04/12/2021 11:18