



SAFETY DATA SHEET

Section 1: Identification

- 1.1. Product identifier
 - 1.1.1. Product Name: Nonfat Dry Milk (NFDM)
 - 1.1.2. Product Number: M577-20kg
- 1.2. Recommended use of product
 - 1.2.1. Used for Microbiology and other laboratory processes.
- 1.3. Company information
 - 1.3.1. Manufacturer: Millennium LifeSciences, Inc.
CultureMediaConcepts®
 - 1.3.2. Address: 970 E. Orangethorpe Ave. Unit A
Anaheim, CA 92801 USA
 - 1.3.3. Phone: 1.714.773.1726
 - 1.3.4. Emergency phone: 1.714.773.1726
 - 1.3.5. Email: info@mlscmc.com

Section 2: Hazard(s) Identification

- 2.1. Classification of the substance or mixture
 - 2.1.1. Classification: This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold limits described by OSHA Hazard Communication Standard 29 CFR 1910.1200 and the European Directive 91/155/EEC, and 93/112/EC.
- 2.2. GHS Label elements, including precautionary statements
 - 2.2.1. Not a hazardous substance or mixture.
- 2.3. Other hazards:
 - 2.3.1. May create dust and/or flammable dust hazard if handled improperly. Use in ventilated areas and provide adequate dust control.
 - 2.3.2. OSHA TWA: Irritant particulate – 15 mg/m³ total dust
 - 2.3.3. ACGIH TWA: Irritant particulate – 10 mg/m³ total dust

Section 3: Composition/Information on Ingredients

- 3.1. Substances
 - 3.1.1. Not relevant (mixture).
- 3.2. Mixtures
 - 3.2.1. This product does not contain any hazardous substances at the concentration limits given in the Regulation (EC) No. 1272/2008 and OSHA Hazard Communication Standard 29 CFR 1910.1200
- 3.3. CAS Number
 - 3.3.1. None.

Component	Concentration	Hazard Status
Protein (as is)	36.5	None
Carbohydrate	51.0	None
Fat	0.8	None
Moisture	2.8	None
Ash	7.9	None

Section 4: First-Aid Measures



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4.1. First-aid measures

4.1.1. General

4.1.1.1. In case of doubt, or when symptoms persist, seek medical attention. In general, this product is not hazardous to humans or animals, but like any other chemical, it should be treated with care, respect, and Current Good Manufacturing Practicing.

4.1.2. Contact with skin

4.1.2.1. Wipe off excess, wash with water.

4.1.3. Contact with eyes

4.1.3.1. Wash eyes extensively with water. If irritation persists, see a physician.

4.1.4. Ingestion

4.1.4.1. If swallowed, wash mouth out with water.

4.1.5. Inhalation

4.1.5.1. Minimize inhalation. If large amount is inhaled, move to fresh air. If breathing problems occur, consult a physician.

4.2. Most important symptoms and effects, both acute and delayed

4.2.1. None.

4.3. Indication of any immediate medical attention and special treatment needed

4.3.1. Treat symptomatically.

Section 5: Fire-Fighting Measures

5.1. Suitable Extinguishing Media

5.1.1. Use carbon dioxide, dry chemical powder, or appropriate foam.

5.2. Special hazards arising from the substance or mixture

5.2.1. Development of hazardous combustion gases or vapors may be possible in the event of fire.

5.3. Recommendations for firefighters

5.3.1. Firefighters should wear protective equipment and self-contained breathing apparatus.

Section 6: Accidental Release Measures

6.1. Personal precautions, protective equipment, and emergency procedures

6.1.1. Avoid inhalation and contact with eyes.

6.2. Environmental Precautions

6.2.1. Shut off all sources of ignition, ventilate spill area.

6.3. Methods and materials used for containment

6.3.1. Keep in closed container for disposal.

6.4. Cleanup Procedures

6.4.1. Spills can be cleaned up with a dustpan and broom or shovel. Water can be used to flush spill areas. Avoid the production of dust as it can produce and explosion hazard at high enough concentrations. Dispose of spilled material by approved solid waste disposal measures.

Section 7: Handling and Storage

7.1. Precautions for safe handling

7.1.1. Ensure adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Store at temperatures not exceeding 30°C/86°F. Keep cool.

7.2.2. Store in a well-ventilated place. Keep container tightly closed.

7.2.3. Store in a dry place.

Section 8: Exposure Controls/Personal Protection

- 8.1. Engineering Controls
 - 8.1.1. Do not use compressed air by filling, discharging, or handling the product. Proper ventilation, safety shower, and eye bath required.
- 8.2. Personal Protective Equipment
 - 8.2.1. Wear suitable protective clothing such as gloves, safety glasses, and lab coat. No respiratory protection is needed if ventilation/extraction is adequate.
 - 8.2.2. Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
 - 8.2.3. Wear safety glasses approved to standard for NIOSH (US) or EN 166(EU).
- 8.3. Exposure controls
 - 8.3.1. Eyewash bottles should be available.

Section 9: Physical and Chemical Properties

- 9.1. Information on physical and chemical properties
 - 9.1.1. Appearance: Homogeneous, free-flowing powder, pale cream powder
 - 9.1.2. Odor: No information available.
 - 9.1.3. Odor threshold: No information available.
 - 9.1.4. pH: Not applicable
 - 9.1.5. Melting point/Range: No information available.
 - 9.1.6. Boiling point/Range: Not determined
 - 9.1.7. Flashpoint: No information available.
 - 9.1.8. Evaporation Rate: No information available.
 - 9.1.9. Flammability: No information available.
 - 9.1.10. Vapor Pressure: No information available.
 - 9.1.11. Vapor Density: No information available.
 - 9.1.12. Relative Density: No information available.
 - 9.1.13. Solubility in water: Completely soluble in water.
 - 9.1.14. Partition Coefficient (n-Octanol/Water): No information available.
 - 9.1.15. Autoignition Temperature: No information available.
 - 9.1.16. Decomposition temperature: No information available.
 - 9.1.17. Explosive Properties: Product does not present an explosion hazard
 - 9.1.18. Viscosity: No information available.
- 9.2. Other information:
 - 9.2.1. No information available.

Section 10: Stability and Reactivity

- 10.1. Reactivity
 - 10.1.1. No information available.
- 10.2. Chemical stability
 - 10.2.1. Considered stable under normal conditions.
- 10.3. Possibility of hazardous reactions:
 - 10.3.1. No hazardous reactions known if used for its intended purpose.

- 10.4. Conditions to avoid
 - 10.4.1. Avoid strong oxidizing agents.
 - 10.4.2. Keep away from extreme temperatures.
- 10.5. Incompatible materials
 - 10.5.1. Incompatible with strong oxidizing agents and strong bases.
- 10.6. Hazardous decomposition products
 - 10.6.1. Hazardous decomposition products are not produced.

Section 11: Toxicological Information

- 11.1. Information on toxicological effects
 - 11.1.1. No experimental data available
 - 11.1.2. Contact with skin
 - 11.1.2.1. No data
 - 11.1.3. Contact with eyes
 - 11.1.3.1. No data
 - 11.1.4. Inhalation:
 - 11.1.4.1. No data
 - 11.1.5. Carcinogenicity
 - 11.1.5.1. No data
 - 11.1.6. Mutagenicity
 - 11.1.6.1. No data
 - 11.1.7. Teratogenicity
 - 11.1.7.1. No information available

Section 12: Ecological Information

- 12.1. Toxicity: No information available.
- 12.2. Persistence and degradability: No information available.
- 12.3. Bioaccumulation Potential: No information available.
- 12.4. Mobility in soil: No information available.
- 12.5. Results of PBT and vPvB assessment
 - 12.5.1. Not a PBT according to REACH annex XIII
 - 12.5.2. PBT/vPvB assessment not available
- 12.6. Other adverse effects
 - 12.6.1. To the best of our knowledge, the properties of this material have not been fully evaluated
 - 12.6.2. On available data, substance is not harmful to the environment

Section 13: Disposal Considerations

- 13.1. Waste treatment methods
 - 13.1.1. Disposal should be in accordance with local, state, or national legislation.
- 13.2. Contaminated packaging
 - 13.2.1. Dispose of as unused product.

Section 14: Transport Information

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- 14.1. Proper Shipping Name (DOT-US, IMDG, IATA): Nonfat Dry Milk
- 14.2. DOT (US): Not dangerous goods.
- 14.3. IMDG: Not dangerous goods.
- 14.4. IATA: Not dangerous goods.
- 14.5. UN number: Not classified as hazardous for transport.
- 14.6. UN proper shipping name: Not available.
- 14.7. Transport hazard class(es): Not available.
- 14.8. Environmental hazards: Not classified.
- 14.9. Guidance on transport in bulk (according to Annex II of MARPOL 73/78 and IBC code): Not classified.

Section: 15: Regulatory Information

- 15.1. Safety, health, and environmental regulations/legislation specific for the substance or mixture
 - 15.1.1. This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010 and OSHA Hazard Communication Standard 29 CFR 1910.1200.
 - 15.1.2. Regulation (EC) No. 1272/2008 on the classification, labelling, and packaging of substances and mixtures (CLP Regulation) applies in Europe.
- 15.2. Chemical Safety Assessment: No information available
- 15.3. United States Regulatory Information
 - 15.3.1. SARA 302 Components
 - 15.3.1.1. This material does not contain any chemical components that are subject to the reporting requirements of SARA Title III, Section 302.
 - 15.3.2. SARA 313 Components
 - 15.3.2.1. This material does not contain any chemical components that are subject to the reporting requirements of SARA Title III, Section 313.
 - 15.3.3. SARA 311/312 Hazards:
 - 15.3.3.1. No SARA hazards
 - 15.3.4. Massachusetts Right to Know Components:
 - 15.3.4.1. No chemical components are subject to the Massachusetts Right to Know Act
 - 15.3.5. Pennsylvania Right to Know Components:
 - 15.3.5.1. Nonfat Dry Milk
 - 15.3.6. New Jersey Right to Know Components
 - 15.3.6.1. Nonfat Dry Milk
 - 15.3.7. California Prop. 65 Components
 - 15.3.7.1. This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

- 16.1. Preparation Information
 - 16.1.1. Low Heat NFDM
 - 16.1.2. DairyAmerica
 - 16.1.3. 1-559-251-0992
 - 16.1.4. Fresno, California
- 16.2. This document is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY. Millennium LifeSciences, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.