

MATERIAL SAFETY DATA SHEET

SECTION I

Product Name: Lactose, NF Monohydrate
(Includes Product Codes 310, 312, 312 Bolted, 313, 315, 316, Aero Flo 20, Aero Flo 65, Aero Flo 95)

Food Name: NF Lactose

Manufacturer: Foremost Farms USA

Address: P.O. Box 111, Baraboo, Wisconsin 53913

For Information on Health Hazards or Other Information, call: 608-356-8316

SECTION II - Hazardous Ingredient of Mixtures

Principal Component(s): NF Lactose

% by Wt. 99.9

OSHA TWA Nuisance particulate,
15 mg/m³ of total dust

ACGIH TWA Nuisance particulate,
10 mg/m³ of total dust

Product is GRAS for human consumption 21CFR 168.122.

SECTION III - Physical Data

Boiling Point (°F): Not applicable

Volatiles (% by Wt.): Approx. 5 (moisture)

Vapor Pressure (mm Hg): Not applicable

Evaporation Rate (n-butyl acetate=1): Not applicable

Vapor Density (Air=1): Not applicable

Solubility in Water: Soluble (17% at 20° C)

Melting Point: 202° C

Appearance and Odor: White powder having slight odor.

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used): Not applicable

Extinguishing Media: Water

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: Product may become a flammable dust when finely divided and suspended in air. Keep away from sources of ignition, sparks, and open flame. Use only in ventilated areas. Provide adequate dust control.

SECTION V - Health Hazard Data

Route(s) of Entry: Inhalation - as dust. Skin - no hazard. Ingestion - no hazard.

Carcinogenicity: NTP - no. IARC - no. OSHA - no.

Threshold Limit Value:	See Section II
Effects of Overexposure:	None
Emergency and First Aid Procedures:	None
Stability:	Stable
Conditions to Avoid:	Do not allow dust to accumulate (see Section IV – fire hazard data)
Incompatibility (Materials to Avoid)	Strong oxidants
Hazardous Decomposition Products:	None
Hazardous Polymerization:	Will not occur

SECTION VI - Spill or Leak Procedures

Steps to be Taken in Case Material is Released or Spilled:	Sweep up and/or flush area clear with water; avoid production of dust.
Waste Disposal Method:	Dispose in approved solid waste disposal area per current regulations.

SECTION VII - Special Protection Information

Respiratory Protection:	Use appropriate dust mask
Eye Protection:	No protection required; safety glasses good practice.
Ventilation:	As needed for dust control
Work/Hygiene Practices:	Good housekeeping to keep dust down.
Protective Gloves:	Not required
Other Protective Clothing or Equipment:	None required

SECTION VIII - Special Precautions

Precautions to be Taken in Handling and Storing:	Avoid handling procedures which produce dust
Other Precautions:	None required

SECTION IX - Transportation

Department of Transportation - Classification:	Not applicable
Department of Transportation - Identification Number:	Not applicable

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