

# MATERIAL SAFETY DATA SHEET

## SECTION I

**Product Name:** Lactose, NF Monohydrate  
(Includes Product Codes 310, 312, 312 Bolted, 313, 314, 315, 316)

**Food Name:** NF Lactose

**Manufacturer:** Foremost Farms USA

**Address:** E10889 Penny Lane, Baraboo, Wisconsin 53913-8115

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

## SECTION II - Hazardous Ingredient of Mixtures

<b>Principal Component(s):</b>	NF Lactose
<b>% by Wt.</b>	99.9
<b>OSHA TWA</b>	Nuisance particulate, 15 mg/m <sup>3</sup> of total dust
<b>ACGIH TWA</b>	Nuisance particulate, 10 mg/m <sup>3</sup> of total dust

Product is GRAS for human consumption 21CFR 168.122.

## SECTION III - Physical Data

<b>Boiling Point (°F):</b>	Not applicable
<b>Volatiles (% by Wt.):</b>	Approx. 5 (moisture)
<b>Vapor Pressure (mm Hg):</b>	Not applicable
<b>Evaporation Rate (n-butyl acetate=1):</b>	Not applicable
<b>Vapor Density (Air=1):</b>	Not applicable
<b>Solubility in Water:</b>	Soluble (17% at 20° C)
<b>Melting Point:</b>	202° C
<b>Appearance and Odor:</b>	White powder having slight odor.

## SECTION IV - Fire and Explosion Hazard Data

<b>Flash Point (Method Used):</b>	Not applicable
<b>Extinguishing Media:</b>	Water
<b>Special Fire Fighting Procedures:</b>	None
<b>Unusual Fire and Explosion Hazards:</b>	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

<b>Route(s) of Entry:</b>	Inhalation - as dust. Skin – no hazard. Ingestion – no hazard.
<b>Carcinogenicity:</b>	NTP - no. IARC - no. OSHA - no.

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

**SECTION VI - Spill or Leak Procedures**

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

**SECTION VII - Special Protection Information**

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

**SECTION VIII - Special Precautions**

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

**SECTION IX - Transportation**

<b>Department of Transportation - Classification:</b>	Not applicable
<b>Department of Transportation - Identification Number:</b>	Not applicable

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