

# MATERIAL SAFETY DATA SHEET

## SECTION I

**Product Name:** Permalac  
**Ingredients:** Dairy Product Solids (whey permeate)  
**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):** See ingredient list  
**% by Wt.** 95  
**OSHA TWA** Nuisance particulate,  
15 mg/m<sup>3</sup> of total dust  
**ACGIH TWA** Nuisance particulate,  
10 mg/m<sup>3</sup> of total dust

Product is GRAS for human consumption 21CFR 184.1979b.

## 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  
**Appearance and Odor:** Light yellow color 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.

<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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