SECTION 1 : Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product form : Substance (powder)
Trade name : Foremost® Dried Whey Solubles
Chemical name : Modified Whey Powder
CAS No. : Not applicable
Product code : WT10251118 ; WT10253118 ; WT10254118 ; WT10255118 ; WT10256118 ; WT10257118 ; WT10262118
Formula : Not applicable
Synonyms : Feed Grade Permeate; Reduced Protein Whey;
Product group : Trade product
Other means of identification : Cattle whey solubles, dehydrated

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation : Product is GRAS for animal consumption.

1.3. Details of the supplier of the safety data sheet

Foremost Farms USA
E10889 Penny Lane
Baraboo, WI 53913-8115
1-800-362-9196 (USA) 8:00 AM – 5:00 PM CST
For more information contact:
Justin.Pope@ForemostFarms.com
www.foremostfarms.com

1.4. Emergency telephone number

Emergency Number : 1-800-362-9196 (US) 8:00 AM – 5:00 PM CST
Access codes apply when calling outside the US

SECTION 2 Classification of the substance or mixture

2.1 Classification of the substance or mixture

Classification (GHS-US/WHMIS) : Combustible Dust
Substance not classified according to Regulation (EC) No. 1272/2008 [CLP]

2.2. Label elements

Hazard pictograms (GHS-US/WHMIS) : None
Signal word (GHS-US/WHMIS) : Warning
Hazard statements (GHS-US/WHMIS) : May form combustible dust concentrations in air
Precautionary statements (GHS-US/WHMIS) : None

2.3. Other hazards

According to EU Directives/Regulations : May form explosible dust-air mixture if dispersed
Foremost® Dried Whey Solubles, Feed Grade Permeate
Safety Data Sheet (SDS)

SECTION 3 : Composition/information on ingredients

3.1. Substances

<table>
<thead>
<tr>
<th>Substance type</th>
<th>Name</th>
<th>CAS No.</th>
<th>EC no</th>
<th>EC index no</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dried Whey Solubles</td>
<td></td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Product identifier (CAS No.): Not applicable
100% by Wt.

GHS-US/WHMIS Classification: Combustible Dust

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Not Classified

3.2. Mixtures
Not applicable

SECTION 4 : First aid measures

4.1. Description of first aid measures

First-aid measures general: If medical advice is needed, have product container or label at hand.

First-aid measures after inhalation: If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. May cause coughing or sneezing. May cause allergy symptoms in individuals with milk allergies. Obtain medical attention if breathing difficulty persists.

First-aid measures after skin contact: Rinse with plenty of water.

First-aid measures after eye contact: Rinse with water while holding eyelids open. If eye irritation persists: Get medical advice and attention.

First-aid measures after ingestion: Do not induce vomiting. May cause allergy symptoms in individuals with milk allergies. Seek medical attention if a large amount is swallowed.

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

Symptoms/injuries: Prolonged contact with large amounts of dust may cause mechanical irritation and allergy symptoms.

Symptoms/injuries after inhalation: None under normal use. Overexposure may be irritating to the respiratory system and allergy symptoms in individuals with milk allergies.

Symptoms/injuries skin contact: None under normal use. Prolonged contact with a large amount of dust may cause mechanical irritation.

Symptoms/injuries eye contact: None under normal use. Prolonged contact with large amounts of dust may cause mechanical irritation and allergy symptoms in individuals with milk allergies.

Symptoms/injuries ingestion: None under normal use.

Chronic symptoms: Prolonged inhalation of dust may cause respiration irritation and allergy symptoms.
4.3. Indication of any immediate medical attention and special treatment needed
No additional information available

SECTION 5 : Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media : Not considered flammable but will burn at high temperatures. Use extinguishing media appropriate for surrounding fire such as water.
Unsuitable extinguishing media : Avoid high pressure media which could cause the formation of a potentially explosive dust-air mixture.

5.2. Special hazards arising from the substance or mixture
Fire hazard : Combustible Dust. Dust explosion hazard in air when finely divided and suspended in air.
Explosion hazard : Dust clouds can be explosive. Avoid dust clouds in combination with static electricity. Keep away from sources of ignition, sparks, and open flame. Use only in ventilated areas. Provide adequate dust control.
Reactivity : Stable at ambient temperature and under normal conditions of use.

5.3. Advice for firefighters
Firefighting instructions : Do not breathe fumes from fires or vapors from decomposition.
Protection during firefighting : Use normal individual fire protective equipment.

SECTION 6 : Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
General measures : Handle in accordance with good industrial hygiene and safety practice. Good housekeeping is needed during storage, transfer, handling, and use of this material to avoid excessive dust accumulation.

6.1.1. For non-emergency personnel
Protective equipment : Safety glasses in good practice
Emergency procedures : Cover or cap any drains to prevent concentrate from entering sewer drainage. Collect as any solid. Ventilate area.

6.1.2. For emergency responders
Protective equipment : Not applicable
Emergency procedures : If possible, stop flow of product. Contain and collect as any solid. Ventilate area. Cap or cover all drains in the immediate vicinity in accordance to specified capping procedures to prevent escape of substance into the sewer.

6.2. Environmental precautions
No additional information available

6.3. Methods and material for containment and cleaning up
For containment: Contain and collect as any solid. Cover or cap any drains to prevent concentrate from entering sewer drainage.

Methods for cleaning up: Avoid generation of dust during clean-up of spills.

6.4. Reference to other sections
No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Handle in accordance with good industrial hygiene and safety procedures. Good housekeeping is needed during storage, transfer, handling, and use of this material to avoid excessive dust accumulation. Take precautionary measures against static discharge.

Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Protect from moisture. Store in a dry, cool place. Keep container tightly closed.

7.3. Specific end use(s)
Product is for animal consumption.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No additional information available

8.2. Exposure controls
Appropriate engineering controls: Avoid dust production. Ensure adequate ventilation, especially in confined areas. Take precautionary measures against static discharges.

Personal protective equipment: Safety glasses and appropriate dust mask.

Eye protection: Safety glasses

Skin and body protection: Wear clothing in compliance with work standards.

Respiratory protection: Not required for normal conditions of use. In case of inadequate ventilation wear appropriate dust mask.

Environmental exposure controls: Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Consumer exposure controls: Wear recommended personal protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
# Foremost® Dried Whey Solubles, Feed Grade Permeate

## Safety Data Sheet (SDS)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Powder</td>
</tr>
<tr>
<td>Color</td>
<td>Off-White, cream</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>Slight acidic</td>
</tr>
<tr>
<td>Concentration of pH solution</td>
<td>10% at 20 °C (68 °F)</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Self ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper/Lower flammable limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>See range below.</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>None known.</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>400-450 g/m³</td>
</tr>
</tbody>
</table>

## 9.2. Other Information

No additional information available
SECTION 10 : Stability and reactivity

10.1. Reactivity
Stable at ambient temperature and under normal conditions of use.

10.2. Chemical stability
Stable at standard temperature and pressure

10.3. Possibility of hazardous reactions
Hazardous polymerization will not occur.

10.4. Conditions to avoid
Use good housekeeping practices during storage, transfer, and handling to avoid excessive dust accumulation.

10.5. Incompatible materials
Strong oxidants

10.6. Hazardous decomposition products
Under conditions of fire this material may produce: Carbon dioxide. Carbon monoxide

SECTION 11 : Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeating exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
<tr>
<td>Symptoms/effects both acute and chronic</td>
<td>None under normal use. Prolonged contact with large amounts of dust may cause mechanical irritation and allergy symptoms in individuals with milk allergies.</td>
</tr>
</tbody>
</table>
SECTION 12: Ecological information

12.1. Toxicity
No additional information available

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Foremost® Dried Whey Solubles, Feed Grade Permeate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil
No additional information available

12.5. Results of PBT and vPvB assessment
No additional information available

12.6. Other adverse effects
No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Sewage disposal recommendations: Do not dispose of waste into sewer
Waste disposal recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

SECTION 14: Transport information

In accordance with DOT/ TDG/ ADR/ RID/ ADNR/ IMDG/ ICAO/ IATA

14.1. UN number
No dangerous good in sense of transport regulations.

14.2 UN proper shipping name
Not applicable

14.3 Additional Information
No additional information available

14.4 Overland transport
No additional information available

14.5 Transport by sea
No additional information available

14.6 Air Transport
No additional information available
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

SECTION 15: Regulatory information

15.1 US Federal regulations
The Product is intended for human consumption and therefore is subject to substantial regulatory oversight by the United States, including but not limited to the Federal Food, Drug, and Cosmetic Act and the Food Safety Modernization Act.

15.2 EU Regulations
Contains no REACH Annex XVII restrictions or REACH candidate substances
This substance is for consumption and as such, is exempt from REACH registration requirements
Chemical Safety Assessment: No additional information available

15.3 National regulations
The Product is intended for human consumption and therefore is usually subject to regulatory oversight by any nation to which it is exported.

15.4 US State Regulations
The Product is intended for human consumption and therefore is subject to regulatory oversight by the states, including but not limited to the Wisconsin Food Code.

SECTION 16: Other Information

SDS format in accordance with OSHA GHS 1910.1200
SDS format in accordance with WHMIS 2015
SDS format in accordance with Regulation (EU) No. 2015/830

16.1 Summary of Last Revision
Substantial revisions made to comply with WHMIS 2015 and Regulation (EU) No. 2015/830.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.