

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 : Product code is subject to customer specification
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 (USA) 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

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SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type	: Mono-constituent
Name	: Foremost [®] Dried Whey Solubles
CAS No.	: Not applicable
EC no	: Not applicable
EC index no	: Not applicable

Name: Dried Whey Solubles	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.

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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 explosible 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

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6.3. Methods and material for containment and cleaning up

- For containment : Contain and collect as any solid. Cover and 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 human 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.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder
Color	: Off-white; cream
Odor	: Slight
Odor threshold	: No data available
pH	: Slight acidic
Concentration of pH solution	: 10 % at 20 °C (68 °F)
Relative evaporation rate (butyl acetate=1)	: Not applicable
Melting point	: Not applicable
Freezing point	: Not applicable
Boiling point	: Not applicable
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Upper/Lower flammable limits	: No data available
Vapor pressure	: Not applicable
Relative vapor density at 20 °C	: Not applicable
Relative density	: Not applicable
Solubility	: Soluble in water
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: See range below.
Oxidizing properties	: None known.
Explosive limits	: 400 – 450 g/m ³

9.2. Other Information

No additional information available

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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

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

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

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12.2. Persistence and degradability

Foremost [®] Dried Whey Solubles	
Persistence and degradability	Product is biodegradable

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

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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

Updated product codes (provided statement)

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.