

# Land O'Lakes, Inc

## Finished Feed Product Safety Data Sheet

SECTION 1: IDENTIFICATION	
<b>Product Name:</b>	Animal Milk Replacer
<b>EPA Registration #:</b>	Exempt
<b>Product ID:</b>	All Milk Replacer Products
<b>Common Name:</b>	Finished Animal Feed for Young Animals
<b>Chemical Description:</b>	Not applicable
<b>Recommended Uses:</b>	Animal Feed/food ingredient
<b>Restrictions for Use:</b>	See product label for any applicable restrictions.
<b>Land O'Lakes</b> 4001 Lexington Avenue Arden Hill, MN 55126	<b>MEDICAL EMERGENCY TELEPHONE NUMBER: 1-877-424-7452 (24hrs) for Poison Control</b>  <b>Non-Emergency Business Inquiries: 1-800-227-8941</b> Mon – Fri 8am – 5pm (Central Standard Time)

SECTION 2: HAZARDS IDENTIFICATION	
<b>EMERGENCY OVERVIEW:</b> Light Colored Powder with possible sweet odor. May be a mechanical eye irritant. Combustible dust.	
<b>POTENTIAL HEALTH EFFECTS:</b>	
<b>Eyes:</b> Dust from particulates may be a mechanical irritant to eyes.	
<b>Skin:</b> Not anticipated to cause skin irritation.	
<b>Inhalation:</b> Exposure to dust may cause irritation of the respiratory tract's mucous membranes.	
<b>Ingestion:</b> Not anticipated to be harmful if ingested	
<b>Preexisting Conditions:</b> Exposure to dust may aggravate existing respiratory conditions.	
<b>Chronic Health Effects:</b> None known	
<b>Carcinogenicity</b>	NTP: Not listed                      IARC: Not listed                      OSHA: Not listed
<b>OSHA HCS 2012 CLASSIFICATION:</b> Eye Irritation/Corrosion Category 2B; Combustible Dust	
<b>SIGNAL WORD:</b> WARNING	
<b>HAZARD STATEMENTS:</b>	
Causes eye irritation.	
May form combustible dust concentrations in air.	
<b>Percent of product with unknown toxicity:</b> 0%	
<b>PRECAUTIONARY STATEMENTS:</b>	
<b>Prevention:</b>	Wash hands thoroughly after handling.
<b>Response:</b>	<b>If in eyes:</b> Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison control center or doctor for treatment advice.
<b>Storage:</b>	See Section 7 for storage information.
<b>Disposal</b>	See Section 13 for disposal information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS		
Ingredient	% (wt)	CAS Reg. #
Powder from Prepared Animal Feeds (Dairy Powders – also may contain Soy Products and or Animal Proteins according to label), Vitamins and Minerals)	100%	*
*Ingredients not specifically listed are non-hazardous and/or are considered to be confidential business information under 29 CFR 1910.1200(i).		
See Section 8 for exposure limits.		

## Finished Feed Product

### SECTION 4: FIRST AID MEASURES

<b>Inhalation:</b>	Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation persists.
<b>Ingestion:</b>	Do not induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Give several glasses of water to dilute.
<b>Eyes:</b>	Flush eyes with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention if irritation persists.
<b>Skin:</b>	Remove contaminated clothing and wash before re-using. Flush skin with water and then wash with soap and water. Seek medical attention if skin irritation persists.

### SECTION 5: FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Alcohol-resistant foam, Carbon dioxide (CO<sub>2</sub>), Dry chemical, Water spray or fog  
**Unsuitable Extinguishing Media:** Strong streams of water or dry chemical if dust can be dispersed into the air.  
**Special Fire Fighting Procedures:** Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Avoid breathing vapors; keep upwind. Dust placed in suspension with an ignition source present may flash or explode.  
**Hazardous Combustion Products:** Carbon oxides  
**Unusual Fire and Explosion Hazards:** Milk replacer is generally considered not hazardous, but dust generated through downstream activities that may reduce its particle size (e.g. shipping, handling, transfer to bins, etc.) may create a hazardous condition. If exposed to an ignition source, milk replacer dust may burn. Airborne dust in sufficient concentrations when exposed to an ignition source may flash or, in a confined situation, may fuel an explosion.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.  
**Environmental Precautions:** Keep spilled product from entering sewers, waterways or low-lying areas.  
**Methods for Containment:** Do not place spilled product back in original container. Place spilled material in a closed container suitable for disposal.  
**Methods for Clean-up:** Avoid dust generation. Keep all ignition sources away from spill to avoid potential for dust explosion. Clean up with soft bristle broom(s) or a vacuum approved for a Class II Hazardous location. Avoid breathing dusts and ensure adequate ventilation during clean-up.  
**Other Information:** Cleaning surfaces with compressed air in the presence of ignition source should not be allowed.

### SECTION 7: HANDLING AND STORAGE

**Handling:** Ensure adequate ventilation and avoid formation of dusts. Immediately clean up spills that occur during handling or storage. Keep containers closed when not in use. Take precautionary measures against static discharges. Wash hands thoroughly after handling. Remove powder from area/processing equipment prior to using any heat producing equipment such as arc welders, cutting torches and spark/heat producing tools such as portable surface grinders. According to 29 CFR 1910.272(f), a hot work permit is required.  
**Storage:** Store in cool dry areas away from children and incompatible substances. Protect packaging from physical damage. Protect from exposure to fire or ignition sources.  
**Minimum Storage Temperature:** Not applicable  
**Other Precautions:** Consult state and local laws and regulations pertaining to milk replacer storage.

## Finished Feed Product

<b>SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION</b>			
<b>Exposure Guidelines</b>			
<b>Component:</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>NIOSH REL</b>
Particulates Not Otherwise Regulated	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable)	10 mg/m <sup>3</sup> (inhalable) 3 mg/m <sup>3</sup> (respirable)	
<b>Respiratory Protection:</b> If dust concentration exceeds permissible levels, wear a NIOSH approved air-purifying respirator with cartridges/canisters approved for general particulates or a particulate respirator such as the 3M N95 filtering face piece (dust mask).			
<b>Engineering Controls:</b> <b>Local Exhaust:</b> Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred. Ensure that dust handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work areas. Use only appropriately classified electrical equipment and powered industrial trucks			
<b>Protective Gloves:</b> Not required			
<b>Eye Protection:</b> Wear chemical goggles or full face shield and safety glasses in dusty conditions. Contact lenses are not protective eye devices. An emergency eyewash or water supply should be readily accessible to the work area.			
<b>Other Protective Clothing or Equipment:</b> Wear a long-sleeved shirt, long pants and footwear plus socks to prevent skin contact.			
<b>Work/Hygienic Practices:</b> Never eat, drink, nor use tobacco in work areas. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.			

<b>SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES</b>			
<b>Physical State:</b>	Solid	<b>Specific Gravity (H<sub>2</sub>O=1):</b>	Not determined
<b>Vapor Pressure (mm Hg):</b>	Not determined	<b>Bulk Density:</b>	Not determined
<b>Vapor Density (Air=1):</b>	Not determined	<b>Melting Point:</b>	Not determined
<b>Solubility in Water (wt %):</b>	Not determined	<b>Boiling Point/Range:</b>	Not determined
<b>Viscosity:</b>	Not determined	<b>pH:</b>	Not determined
<b>Appearance and odor:</b>	Light colored powder with sweet odor.	<b>Flash Point:</b>	Not determined

<b>SECTION 10: STABILITY AND REACTIVITY</b>
<b>Reactivity:</b> None known
<b>Chemical Stability:</b> Product is stable at ambient temperature and pressure, under normal storage and handling conditions.
<b>Possibility of Hazardous Reactions:</b> Will not occur.
<b>Conditions to Avoid:</b> Dispersing dust in air, above MEC, and exposure to potential ignition sources.
<b>Incompatible Materials:</b> Strong oxidizing agents, bases, reducing agents, amines
<b>Hazardous Decomposition Products:</b> Carbon oxides during a fire situation.

<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>	
<b>ACUTE TOXICITY</b>	
<b>Eye Effects:</b>	May be a mechanical irritant to the eyes.
<b>Skin Effects:</b>	Not anticipated to be a skin irritant.
<b>Acute Inhalation Effects:</b>	Excessive inhalation of powder may affect the nose, throat, and lungs.
<b>Acute Oral Effects:</b>	Animal feed ingredient, not anticipated to cause harm via ingestion.
<b>Specific Target Organ Toxicity:</b>	None known
<b>CHRONIC TOXICITY</b>	
<b>Chronic Effects:</b>	Repeated and prolonged exposure to milk replacer may affect the respiratory system or cause sensitization. Smokers have an increased risk of respiratory effects.
<b>Carcinogenicity:</b>	No components are known to have carcinogenic effects.

*Continued on next page*

<b>Mutagenicity:</b>	No components are known to have mutagenic effects.
<b>Teratogenicity:</b>	No components are known to have teratogenic effects.

## Finished Feed Product

**Reproductive Toxicity:** No components are known to have effects on the reproductive system.

**POTENTIAL HEALTH EFFECTS:**

**Eyes:** Dust from particulates may be a mechanical irritant to eyes.

**Skin:** Not anticipated to cause skin irritation.

**Inhalation:** Exposure to dust may cause irritation of the respiratory tract's mucous membranes.

**Ingestion:** Not anticipated to be harmful if ingested.

### SECTION 12: ECOLOGICAL INFORMATION

**ENVIRONMENTAL SUMMARY:** Not determined

**ECOTOXICITY DATA:**

**Fish Acute and Prolonged Toxicity:** Not determined

**Aquatic Invertebrate Acute Toxicity:** Not determined

**Aquatic Plant Toxicity:** Not determined

**Bird Acute and Prolonged Toxicity:** Not determined

**Honeybee Toxicity:** Not determined

**ENVIRONMENTAL EFFECTS:**

**Soil Absorption/Mobility:** Not determined

**Persistence and degradability:** Not determined

**Bioaccumulative Potential:** Not determined

**Other adverse effects:** Not determined

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste:** Dispose of in accordance with applicable Federal, state and local laws and regulations.

**Container:** Dispose of in accordance with applicable Federal, state and local laws and regulations.

**RCRA Characteristics:** It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.

### SECTION 14: TRANSPORT INFORMATION

**DOT:**  
**(Ground)** See Bill of Lading for appropriate shipping description.

**IMDG:**  
**(Sea)** Not determined

**IATA:**  
**(Air)** Not determined

**TDG:**  
**(Canada)** Not determined

### SECTION 15: REGULATORY INFORMATION

**TSCA Inventory:** Not determined

**SARA Title III Information:**

**Section 302 - Extremely hazardous substances:** None listed

**Section 311/312 - Hazard Categories:** Immediate (Acute); Fire

**Section 313 -** The following chemicals are subject to the reporting requirements of Section 313 of Title III, Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372:

None listed

**CERCLA -** This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):

None listed

**California Proposition 65:** This product does not contain any chemicals known to the state of California to cause cancer.

### SECTION 16: OTHER

**Disclaimer:** The information presented herein is based on available data from reliable sources and is correct to the best of Land

## ***Finished Feed Product***

O'Lakes' knowledge. Land O' Lakes makes no warranty, express nor implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.

**Revision Date:** August 28 2019 by Robert Musser Animal Milk Solutions **Supersedes document dated:** N/A – New document  
**Sections Revised:** N/A – New document