

Land O'Lakes, Inc

Finished Feed Product Safety Data Sheet

SECTION 1: IDENTIFICATION	
Product Name:	Dura-Start 50
EPA Registration #:	Exempt
Product ID:	All Milk Replacer Products
Common Name:	Finished Animal Feed for Young Animals
Chemical Description:	Not applicable
Recommended Uses:	Animal Feed/food ingredient
Restrictions for Use:	See product label for any applicable restrictions.
Land O'Lakes 4001 Lexington Avenue Arden Hill, MN 55126	MEDICAL EMERGENCY TELEPHONE NUMBER: 1-877-424-7452 (24hrs) for Poison Control Non-Emergency Business Inquiries: 1-800-227-8941 Mon – Fri 8am – 5pm (Central Standard Time)

SECTION 2: HAZARDS IDENTIFICATION	
EMERGENCY OVERVIEW: Light Colored Powder with possible sweet odor. May be a mechanical eye irritant. Combustible dust.	
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	
Preexisting Conditions: Exposure to dust may aggravate existing respiratory conditions.	
Chronic Health Effects: None known	
Carcinogenicity	NTP: Not listed IARC: Not listed OSHA: Not listed
OSHA HCS 2012 CLASSIFICATION: Eye Irritation/Corrosion Category 2B; Combustible Dust	
SIGNAL WORD: WARNING	
HAZARD STATEMENTS:	
Causes eye irritation.	
May form combustible dust concentrations in air.	
Percent of product with unknown toxicity: 0%	
PRECAUTIONARY STATEMENTS:	
Prevention:	Wash hands thoroughly after handling.
Response:	If in eyes: 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.
Storage:	See Section 7 for storage information.
Disposal	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.		

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SECTION 4: FIRST AID MEASURES

Inhalation:	Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation persists.
Ingestion:	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.
Eyes:	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.
Skin:	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 ₂), Dry chemical, Water spray or fog
Unsuitable Extinguishing Media:	Strong streams or 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.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION			
Exposure Guidelines			
Component:	OSHA PEL	ACGIH TLV	NIOSH REL
Particulates Not Otherwise Regulated	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)	
Respiratory Protection: 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).			
Engineering Controls: Local Exhaust: 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			
Protective Gloves: Not required			
Eye Protection: 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.			
Other Protective Clothing or Equipment: Wear a long-sleeved shirt, long pants and footwear plus socks to prevent skin contact.			
Work/Hygienic Practices: 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.			

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES			
Physical State:	Solid	Specific Gravity (H₂O=1):	Not determined
Vapor Pressure (mm Hg):	Not determined	Bulk Density:	Not determined
Vapor Density (Air=1):	Not determined	Melting Point:	Not determined
Solubility in Water (wt %):	Not determined	Boiling Point/Range:	Not determined
Viscosity:	Not determined	pH:	Not determined
Appearance and odor:	Light colored powder with sweet odor.	Flash Point:	Not determined

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

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

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Mutagenicity:	No components are known to have mutagenic effects.
Teratogenicity:	No components are known to have teratogenic effects.

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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.

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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

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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.

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