



Safety Data Sheet

Grober Milk Replacer for Animals

SECTION 1. IDENTIFICATION

Product Identifier	Milk replacer
Other Means of Identification	<p>Calf Milk Replacer : High Conversion, Calf Gro A+, High Performance Pro-Gro, Equalizer, Achieve, Classic 20, Triumph!, Excel Pro- Gro, Excel Pro-Gro + Deccox, Veal Gro, Veal Gro A+, Alpha Veal, Grober Grower 24/20, Promiks Supplement for Whole Milk</p> <p>Lamb Milk Replacer : Lamb-Gro, Lamb Gro A+, Dairy Lamb</p> <p>Kid Milk Replacer : Kid-Gro, Kid Gro A+, Kid Gro A+ NF, Caprilait, Caprilait A+, Caprilait A+ NF</p> <p>Piglet Milk Replacer : Piglet-Gro, Littermate, Supersow M</p> <p>Other Specie Milk Replacer : Foal-Gro, Asian Elephant-Gro, African Elephant-Gro, Bison-Gro, Black Bear-Gro, Camel-Gro, Farm-Gro, Kitten-Gro, Llama/Alpaca-Gro, Moose-Gro, Nutri-Gro, Puppy-Gro, Water Buffalo-Gro, Wildlife Rescue, Yak-Gro</p>
Intended Use	Animal feed
Manufacturer	<p>Grober Nutrition 162 Savage Drive Cambridge, ON N1T 1S4</p>
Telephone Number	519-622-2500

SECTION 2. HAZARD IDENTIFICATION

Physical Hazards	Combustible Dusts Category 1
Health Hazards	Not classified
Environmental Hazards	Not classified
Symbol	None
Signal Word	Warning
Hazard Statement	May form combustible dust concentrations in air.
Precautionary Statement Prevention	Prevent dust accumulation to minimize explosion hazard. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Observe good industrial hygiene practices.
Response	In case of fire use appropriate media to extinguish.
Storage	Keep product in a sealed container when not in use.
Disposal	Dispose of container and material in accordance with local, regional, national, and international regulations.
Other Hazards	None known

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients:	CAS#	%
Dust from prepared animal feed	Not available	100%

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*Canada GHS: The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

Inhalation	Remove to fresh air. Seek medical attention for breathing difficulty.
Skin Contact	Wash hands with soap and water. Seek medical attention if irritation persists.
Eye Contact	Do not rub eyes. Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists
Ingestion	Not a normal route of harmful exposure. Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention
Most important symptoms/effects, acute and delayed	Dusts may irritate the respiratory tract, skin and eyes. Coughing.
Indication of immediate medical attention and special treatment needed	Treat patient symptomatically.
General information	If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Apply extinguishing media carefully to avoid creating airborne dust. Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. During fire, gases hazardous to health may be formed.
Hazardous combustion products	May include and are not limited to: Oxides of carbon.
Special protective equipment and precautions for firefighter	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	May form combustible dust concentrations in air

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Use only non-sparking tools. Dust deposits should not be allowed to
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Emergency Procedures	accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods for Containment and Cleaning Up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Collect dust using a vacuum cleaner equipped with HEPA filter. Stop the flow of material, if this is without risk. Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Following product recovery, flush area with water. Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal
Environmental precautions	Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling	Minimise dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Explosion-proof general and local exhaust ventilation. Wear appropriate personal protective equipment. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. When using do not eat or drink.
Conditions for Safe Storage	Store in a cool, dry place out of direct sunlight. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of reach of children.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits			
Canada Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)			
Components	Type	Value	Form
Dust from prepared animal feeds (CAS Not available)	TWA	10 mg/m ³	
Canada British Columbia OELs (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)			

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Dust from prepared animal feeds (CAS Not available)	STEL TWS	20 mg/m ³ 3 mg/m ³ 10 mg/m ³	Total dust Respirable fraction Total dust
Canada Quebec OELs (Ministry of Labour – Regulation respecting occupational health and safety)			
Dust from prepared animal feeds (CAS Not available)	TWA	10 mg/m ³	Total dust
Canada Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)			
Dust from prepared animal feeds (CAS Not available)	15 minute 8 hour	20 mg/m ³ 10 mg/m ³	
Biological limit values	No biological exposure limits noted for the ingredient(s).		
Appropriate engineering controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.		
Individual protection measures, such as personal protective equipment			
Eye/face protection	Wear safety glasses with side shields (or goggles).		
Skin protection Hand protection Other	Impervious gloves. Confirm with reputable supplier first. Wear appropriate chemical resistant clothing. As required by employer code		
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).		
Thermal hazards	Not applicable.		
General hygiene considerations	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. When using do not eat or drink.		

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid
Physical state	Solid
Form	Powder

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Colour	Off white
Odour	Sweet
pH	5.8 – 6.8
Melting point/freezing point	Not available
Initial boiling point and boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	
Flammability limit – lower (%)	Not available
Flammability limit – upper (%)	Not available
Explosive limit – lower (%)	Not available
Explosive limit – upper (%)	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility (water)	Not available
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	Stable and non-reactive under normal conditions of use, storage, and transport.
Chemical Stability	Material is stable under normal conditions.
Possibility of Hazardous Reactions	No dangerous reaction known under conditions of normal use.
Conditions to Avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Minimize dust generation and accumulation.
Incompatible Materials / Decomposition Products	May include and are not limited to oxides of carbon.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	
Inhalation	Dust may irritate respiratory system.
Skin contact	Dust or powder may irritate skin.
Eye contact	Dust may irritate the eyes.
Ingestion	May cause stomach upset, nausea or vomiting.
Symptoms relation to the physical, chemical, and toxicological characteristics	Dusts may irritate the respiratory tract, skin, and eyes. Coughing.
Acute Toxicity	

Components	Species	Test Results
Dusts from prepared animal feeds (CAS not available)		
Acute Dermal LD50	Not available	6450 mg/kg, CCOHS
Inhalation LC50	Not available	
Oral LD50	Rat	
Skin corrosion/irritation Exposure minutes Erythema value Oedema value	Prolonged skin contact may cause temporary irritation. Not available Not available Not available	
Serious eye damage/eye irritation Corneal opacity value Iris lesion value Conjunctival reddening value Recovery days	Direct contact with eyes may cause temporary irritation. Not available Not available Not available Not available	
Respiratory or skin sensitisation Canada Alberta OELs: Irritant Dust from prepared animal feeds (CAS Not available) Irritant		
Respiratory sensitisation	Not a respiratory sensitizer.	
Skin sensitisation	This product is not expected to cause skin sensitisation.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	Non-hazardous by WHIMS criteria.	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.	
Specific target organ toxicity – single exposure	Not classified	
Specific target organ toxicity – repeated exposure	Not classified	
Aspiration hazard	Not an aspiration hazard.	
Chronic effects	Not available	
Further information	Not available	

SECTION 12. ECOLOGICAL INFORMATION

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods	Dispose according to local, provincial, federal requirements.
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SECTION 14. TRANSPORT INFORMATION

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General	Canada: TDG Proof of Classification: Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.
Transportation of Dangerous Goods (TDG – Canada) Not regulated as dangerous goods.	

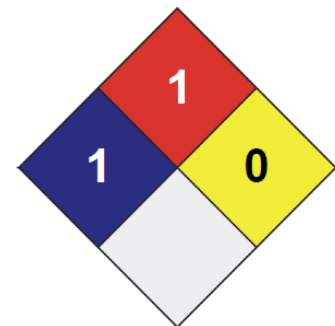
SECTION 15. REGULATORY INFORMATION

Canadian federal regulations	This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.	
Export Control List (CEPA 1999, Schedule 3)	Not listed	
Greenhouse Gases	Not listed	
Precursor Control Regulations	Not listed	
WHIMS Status	Controlled	
International Regulations		
Inventory status		
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).		

SECTION 16. OTHER INFORMATION

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/	1
FLAMMABILITY		1
PHYSICAL HAZARD		0
PERSONAL PROTECTION		X



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