

SAFETY DATA SHEET
(Globally Harmonized System)

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


- 1.1 Product identifier
ULTRAPRO™ 20% SHEEP (10604)
- 1.2 Other means of identification Not applicable
- 1.3 Recommended use of the chemical and restrictions on use
ULTRAPRO™ 20% SHEEP (10604) is a compressed block for sheep on pasture.
- 1.4 Details of the supplier of the safety data sheet
RIDLEY USA, Inc.
111 W. Cherry Street, Suite 500
Mankato, MN 56001-8500
Phone: + 1 507 388 9400
Fax: + 1 507 388 9415
- 1.5 Emergency telephone number
+ 1 507 388 9400 M-F 8AM - 5PM

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
Classification:
Eye Damage, (Category 1)

H Statements:
Causes serious eye damage
May create a flash fire or explosion hazard if dust of certain particle size is suspended in air at sufficient concentration in a confined space and exposed to an ignition source.

P Statements:
Wear protective gloves/protective clothing/eye protection/face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/ doctor.
Dust may burn if suspended in air and may create a flash fire/explosion hazard. Avoid ignition source. Product is not generally considered hazardous, but dust generated through downstream activities that may reduce its particle size may create hazardous conditions.
- 2.2 GHS Label elements

Pictogram 

Signal Word Danger
- 2.3 Other hazards

Inhalation: Exposure to dust may cause irritation to the nose, throat or respiratory system. If application creates dust, use appropriate approved respiratory protection. Persons with allergies should avoid exposure.

Skin Contact: Skin contact may cause a slight irritation. Symptoms may include redness, itching and pain. Persons with allergies should avoid exposure.

Eye Contact: Product causes serious eye damage. Symptoms include redness, itching and pain.

Ingestion: Not found to be toxic by oral exposure. Ingestion of this product may cause slight irritation.

Chronic Health Effects: Not identified.

SECTION 3: Composition/information of ingredients

- 3.1 Substances Not applicable
- 3.2 Mixtures

CAS#:	Component	Weight %
NA	Processed grain by-products	Not disclosed
NA	Molasses products	Not disclosed
NA	Plant protein products	Not disclosed
7647-14-5	Salt	Not disclosed
1344-43-0	Magnesium oxide	Not disclosed
1305-62-0	Calcium hydroxide	<10
7758-23-8	Monocalcium phosphate	<10
7757-93-9	Dicalcium phosphate	Not disclosed
17375-41-6	Ferrous sulfate	<1
1344-43-0	Manganous oxide	Not disclosed
1314-13-2	Zinc oxide	<1
10034-96-5	Manganese sulfate	<1
10102-18-8	Sodium selenite	<1
7446-19-7	Zinc sulfate	<1
8042-47-5	Mineral oil	Not disclosed
7789-80-2	Calcium iodate	<1
10124-43-3	Cobalt sulfate	<1
7631-95-0	Sodium molybdate	<1
471-34-1	Calcium carbonate	Not disclosed
127-47-9	Vitamin A Supplement	Not disclosed
67-97-0	Vitamin D-3 Supplement	<1
7695-91-2	Vitamin E Supplement	Not disclosed

NA: Not applicable

SECTION 4: First aid measures

- 4.1 Description of first aid measures

Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Skin: Remove affected clothing immediately. Flush affected area(s) with copious amounts of soap and water. If skin surface is damaged, apply a clean

dressing. Wash contaminated clothing before reuse. If irritation or redness develops, seek medical attention immediately.

- Inhalation: Remove victim from source and allow to rest in well ventilated area. If breathing is difficult, obtain medical attention immediately.
- Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention.

- 4.2 Most important symptoms and effects, both acute and delayed Not identified.
- 4.3 Indication of any immediate medical attention and special treatment needed Not identified.

SECTION 5: Firefighting measures

5.1 Suitable extinguishing media

Use media that is appropriate to treat surrounding fire. Consider alcohol-resistant foam, carbon dioxide, regular dry chemical, or water spray. Do not use strong streams of water or dry chemical if dust can be dispersed into the air. Dust placed in suspension with an ignition source present may flash or explode. Self contained breathing apparatus is required.

5.2 Special hazards arising from the substance or mixture

Evolves carbon dioxide, carbon monoxide or hydrocarbon fumes upon combustion.

5.3 Special protective actions for fire-fighters

Move container from fire area if it can be done without risk. Do not scatter spilled material with high pressure water streams. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products.

Fire fighters should wear self-contained breathing apparatus with full face piece operated in positive pressure mode and protective clothing to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ventilate the area. Wear appropriate protective equipment as specified in section 8. Avoid dust formation and avoid inhalation of dust. Use a respirator or a combination filter. Keep unnecessary personnel away.

6.2 Environmental precautions

Place contaminated materials in disposal containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material. Do not dispose in canals, surface water, or ground water.

6.3 Methods and material for containment and cleaning up

Avoid dispersal of dust in the air (i.e. cleaning dust surfaces with compressed air in the presence of ignition source should not be allowed). Non-sparking tools should be used. Sweep, shovel, or vacuum up the material. Use caution as product may be slippery when wet. Keep product out of sewage and drainage systems and all bodies of water. Clean spills

immediately. Ventilate the contaminated area. Thoroughly wash the area with water after a spill.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Remove dust from Area/processing equipment prior to using any heat producing equipment. Avoid contact and inhalation. Do not get in eyes, on skin, on clothing. Wash thoroughly with soap and water after handling. The use of respiratory protection is advised when dust concentrations exceed any established exposure limits (see section 8).

7.2 Conditions for safe storage, including any incompatibilities

Store under suitable conditions.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Component (CAS#):	Dicalcium phosphate (CAS#: 7757-93-9) TLV: 10mg/m ³ TWA (inhalation total); 3 mg/m ³ (inhalation total) PEL: 15mg/m ³ TWA (total dust), 5 mg/m ³ TWA (inhalation respirable)
	Calcium hydroxide (CAS#: 1305-62-0) TLV: 5mg/m ³ TWA PEL: 15mg/m ³ TWA (Inhalation total); 5mg/m ³ TWA (Inhalation respirable)
	Magnesium oxide (CAS#: 10034-96-5) TLV: 10mg/m ³ TWA PEL: 15mg/m ³ TWA
	Calcium carbonate (CAS#: 471-34-1) TLV: 10mg/m ³ TWA PEL: 15mg/m ³ TWA (Inhalation total); 5mg/m ³ TWA (Inhalation respirable)
	Manganous oxide (CAS#: 1344-43-0) TLV: 0.2mg/m ³ TWA PEL: 5mg/m ³ (CEIL)
	Manganese sulfate (CAS#: 10034-96-5) TLV: 5mg/m ³ (CEIL) PEL: 0.3mg/m ³ TWA (as Mn)
	Zinc oxide (CAS#: 1314-13-2) TLV: 2mg/m ³ TWA PEL: 15mg/m ³ TWA (Inhalation total); 5mg/m ³ TWA (Inhalation respirable)
	Sodium selenite (CAS#: 10102-18-8) TLV: 0.2mg/m ³ TWA PEL: 0.2mg/m ³ TWA

Cobalt carbonate (CAS#: 513-79-1)
 TLV: 0.02mg/m³ TWA
 PEL: 0.1mg/m³ TWA

Ferrous sulfate (CAS# 7782-63-0)
 TLV: 1mg/m³ TWA
 PEL: 1mg/m³ TWA

8.2 Appropriate engineering controls:

Use process enclosure, general dilution ventilation, or local exhaust systems, where necessary to maintain airborne dust concentrations below the applicable regulations. A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits.

8.3 Individual protection measures

- Eye/face: Protective goggles or face shields.
- Skin: Wear impervious gloves and general purpose overalls with elasticized cuffs and leg bottoms. Persons with allergies should avoid exposure.
- Respiratory: Protection is not normally required. Wear a dust mask or other appropriate approved respiratory protection when effective engineering controls are not feasible or during operations that generate airborne dust concentrations exceeding the relevant standards. A respiratory protection program that meets applicable requirements whenever workplace conditions warrant a respirator's use. Persons with allergies should avoid exposure.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- (a) Physical appearance Solid
- (b) Odour Not available
- (c) Odour Threshold Not available
- (d) Bulk Density Not available
- (e) pH Not available
- (f) Melting point/freezing point Not available
- (g) Initial boiling point Not available
- (h) Flash point Not available
- (i) Evaporation rate Not available
- (j) Flammability Not available
- (k) Upper/lower flammability or explosive limits Not available
- (l) Vapour pressure Not available
- (m) Vapour density Not available
- (n) Relative density Not available
- (o) Solubility Not available
- (p) Partition coefficient: n-octanol/water Not available
- (q) Auto ignition temperature Not available
- (r) Decomposition temperature Not available
- (s) Viscosity Not available

9.2 Other information

To the best of our knowledge the chemical, physical, and toxicological properties of this product have not been thoroughly investigated.

SECTION 10: Stability and reactivity

10.1	Reactivity	Not available
10.2	Chemical stability	Product is stable under normal storage conditions (21 °C, 1atm).
10.3	Possibility of hazardous reactions	Not available
10.4	Conditions to avoid	Avoid moisture, heat and sources of ignition.
10.5	Incompatible materials	Not available
10.6	Hazardous decomposition products	Not available

SECTION 11: Toxicological information

11.1	Information on toxicological effects	
	(a) Acute toxicity	<p>Zinc sulfate (CAS#: 7446-19-7) Oral (rat): 1710 mg/kg</p> <p>Copper sulfate (CAS#: 7758-99-8) Oral (rat): 300 mg/kg</p> <p>Sodium selenite (CAS#: 10102-18-8) Oral (rat): 7 mg/kg</p> <p>Cobalt carbonate (CAS#: 513-79-1) Oral (rat): 640 mg/kg</p> <p>Vitamin D-3 Supplement (CAS#: 67-97-0) Oral (rat): 42 mg/kg</p> <p>Ferrous sulfate (CAS# 7782-63-0) Oral (rat): 1480 mg/kg</p>
	(b) Skin corrosion/irritation	Not expected to be toxic. Exposure may cause slight irritation.
	(c) Serious eye damage/irritation	Causes serious eye damage
	(d) Respiratory or skin sensitization	Not available
	(e) Germ cell mutagenicity	Not available
	(f) Carcinogenicity	Not applicable
	(g) Reproductive toxicity	Not applicable
	(h) STOT-single exposure	Not applicable
	(i) STOT-repeated exposure	Not applicable
	(j) Aspiration hazard	Not applicable
11.2	Information on the likely routes of exposure	Not applicable
11.3	Symptoms related to the physical, chemical and toxicological characteristics	Not applicable
11.4	Delayed and immediate effects and also chronic effects from short and long term exposure	Not applicable
11.5	Other information	Other toxicological information: To the best of our knowledge the chemical, physical and toxicological properties of this product have not been thoroughly investigated.

SECTION 12: Ecological information

12.1	Toxicity Component (CAS#)	Not available
12.2	Persistence and degradability	Not available
12.3	Bioaccumulative potential	Not available
12.4	Mobility in soil	Not available
12.6	Other adverse effects	Not available

SECTION 13: Disposal considerations

13.1	Waste treatment methods	Not identified
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Disposal Instructions: Consult local, state and/or provincial environmental regulatory authorities for acceptable disposal procedures and locations.

SECTION 14: Transport information

14.1	UN number	Not applicable
14.2	UN proper shipping name	Not applicable
14.3	Transport hazard class(es)	Not applicable
14.4	Packing group	Not applicable
14.5	Environmental hazards	Not applicable
14.6	Special precautions for user	Not applicable
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable

SECTION 15: Regulatory information

15.1	Safety, health, and environmental regulation/legislation specific for the substance or mixture	Not available
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SECTION 16: Other information

Preparation Date:	22 December 2015
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Previous Issue Date:	None

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