

**Safety Data Sheet****Material Name: Texturized Lamb Creep Feed, Product Code: 7132****SDS ID: 7132**

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**Section 1 - PRODUCT AND COMPANY IDENTIFICATION**

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**Material Name**

Texturized Lamb Creep Feed, Product Code: 7132

**Product Use**

A Complete Livestock Feed.

**Restrictions on Use**

Use Only as Directed on Label.

**Details of the supplier of the safety data sheet**Ralco Nutrition, Inc.  
1600 Hahn Road  
Marshall, MN 56258  
Phone: 1-800-533-5306

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**Section 2 - HAZARDS IDENTIFICATION**

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**Classification in accordance with paragraph (d) of 29 CFR 1910.1200.**

Reproductive Toxicity - Category 2

**GHS Label Elements****Symbol(s)****Signal Word**

Warning

**Hazard Statement(s)**

Suspected of damaging fertility or the unborn child.

**Precautionary Statement(s)****Prevention**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

IF exposed or concerned: Get medical advice/attention.

**Storage**

Store locked up.

**Safety Data Sheet****Material Name: Texturized Lamb Creep Feed, Product Code: 7132****SDS ID: 7132****Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other Hazards**

Contains active drug ingredient(s).

May form combustible dust concentrations in air.

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**Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

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<b>CAS</b>	<b>Component Name</b>	<b>Percent</b>
n/a	Corn	35-60
n/a	Oat Groats	15-40
n/a	Soy Hulls	15-40

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**Section 4 - FIRST AID MEASURES**

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**Description of Necessary Measures**

IF exposed or concerned: Get medical advice/attention.

**Inhalation**

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Skin**

Wash thoroughly after handling.

**Eyes**

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion**

Rinse mouth thoroughly with water.

**Most Important Symptoms/Effects****Acute**

None Known.

**Delayed**

Suspected of damaging fertility or the unborn child.

**Note to Physicians**

Treat symptomatically.

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**Section 5 - FIRE FIGHTING MEASURES**

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**Extinguishing Media****Suitable Extinguishing Media**

Water spray, regular dry chemical, carbon dioxide, fire-fighting foam.

**Unsuitable Extinguishing Media**

None Known.

**Hazardous Combustion Products**

May form combustible dust concentrations in air.

**Fire Fighting Measures**

Co-ordinate fire-fighting measures to the fire surroundings.

Knock down dust with water spray jet.

**Special Protective Equipment and Precautions for Firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing.

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**Section 6 - ACCIDENTAL RELEASE MEASURES**

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**Personal Precautions, Protective Equipment and Emergency Procedures**

Use Personal Protective equipment as required.

**Methods and Materials for Containment and Cleaning Up**

Collect in closed and suitable containers for disposal.

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Environmental Precautions**

None Known.

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**Section 7 - HANDLING AND STORAGE**

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**Precautions for Safe Handling**

Do not handle until all safety precautions have been read and understood.

Use Personal Protective equipment as required.

**Conditions for Safe Storage, Including any Incompatibilities**

Store locked up.

Store in a well-ventilated place.

Keep container tightly closed.

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**Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**


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**Component Exposure Limits**

Ammonium chloride	12125-02-9
ACGIH:	10 mg/m <sup>3</sup> TWA fume
	20 mg/m <sup>3</sup> STEL fume
NIOSH:	10 mg/m <sup>3</sup> TWA fume
	20 mg/m <sup>3</sup> STEL fume
Mexico:	10 mg/m <sup>3</sup> TWA VLE-PPT fume
	20 mg/m <sup>3</sup> STEL [PPT-CT] fume
Magnesium oxide	1309-48-4
ACGIH:	10 mg/m <sup>3</sup> TWA inhalable particulate matter
NIOSH:	750 mg/m <sup>3</sup> IDLH fume
OSHA (US):	15 mg/m <sup>3</sup> TWA fume, total particulate
Mexico:	10 mg/m <sup>3</sup> TWA VLE-PPT as Mg fume
Zinc oxide	1314-13-2
ACGIH:	2 mg/m <sup>3</sup> TWA respirable particulate matter
	10 mg/m <sup>3</sup> STEL respirable particulate matter
NIOSH:	5 mg/m <sup>3</sup> TWA dust and fume
	10 mg/m <sup>3</sup> STEL fume
	15 mg/m <sup>3</sup> Ceiling dust
	500 mg/m <sup>3</sup> IDLH
OSHA (US):	5 mg/m <sup>3</sup> TWA fume; 15 mg/m <sup>3</sup> TWA total dust; 5 mg/m <sup>3</sup> TWA respirable fraction
Mexico:	5 mg/m <sup>3</sup> TWA VLE-PPT fume; 10 mg/m <sup>3</sup> TWA VLE-PPT dust
	10 mg/m <sup>3</sup> STEL [PPT-CT] fume
Calcium carbonate	471-34-1
NIOSH:	10 mg/m <sup>3</sup> TWA total dust; 5 mg/m <sup>3</sup> TWA respirable dust
Diatomaceous earth	61790-53-2
OSHA (US):	((80)/(% SiO <sub>2</sub> ) mg/m <sup>3</sup> TWA); 20 mppcf TWA
Mexico:	10 mg/m <sup>3</sup> TWA VLE-PPT inhalable fraction
Selenium	7782-49-2
ACGIH:	0.2 mg/m <sup>3</sup> TWA

### Safety Data Sheet

Material Name: Texturized Lamb Creep Feed, Product Code: 7132

SDS ID: 7132

NIOSH:	0.2 mg/m3 TWA
	1 mg/m3 IDLH

**EU - Occupational Exposure (98/24/EC) - Binding Biological Limit Values and Health Surveillance Measures**  
There are no biological limit values for any of this product's components.

**ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)**  
There are no biological limit values for any of this product's components.

**Engineering Controls**

Sufficient to maintain atmospheric concentrations below applicable regulatory limits.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/face protection**

Wear eye protection/face protection.

**Skin Protection**

Wear suitable protective clothing.

**Respiratory Protection**

In case of inadequate ventilation wear respiratory protection.

**Glove Recommendations**

Wear protective gloves.

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### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	Pellets and coarse grain products, including granular, or as a meal.	<b>Physical State</b>	solid
<b>Odor</b>	Cereal (grain).	<b>Color</b>	Tan & yellow mix.
<b>Odor Threshold</b>	Not available	<b>pH</b>	Not available
<b>Melting Point</b>	Not available	<b>Boiling Point</b>	Not available
<b>Boiling Point Range</b>	Not available	<b>Freezing point</b>	Not available
<b>Evaporation Rate</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition Temperature</b>	Not available	<b>Flash Point</b>	Not available
<b>Lower Explosive Limit</b>	Not available	<b>Decomposition temperature</b>	Not available
<b>Upper Explosive Limit</b>	Not available	<b>Vapor Pressure</b>	Not available
<b>Vapor Density (air=1)</b>	Not available	<b>Specific Gravity (water=1)</b>	Not available
<b>Water Solubility</b>	Not available	<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Viscosity</b>	Not available	<b>Solubility (Other)</b>	Not available
<b>Density</b>	Not available	<b>Molecular Weight</b>	Not available



## Safety Data Sheet

Material Name: Texturized Lamb Creep Feed, Product Code: 7132

SDS ID: 7132

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### Section 10 - STABILITY AND REACTIVITY

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#### Reactivity

No known hazardous reactions.

#### Chemical Stability

The product is stable under storage at normal ambient temperatures.

#### Conditions to Avoid

Avoid contact with incompatible materials.

#### Incompatible Materials

None Known.

#### Hazardous decomposition products

None Known.

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### Section 11 - TOXICOLOGICAL INFORMATION

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#### Acute and Chronic Toxicity

##### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Ammonium chloride (12125-02-9)

Oral LD50 Rat 1650 mg/kg

Vitamin A acetate (127-47-9)

Oral LD50 Rat 4980 mg/kg

Sodium saccharin (128-44-9)

Oral LD50 Rat 14200 mg/kg

Magnesium oxide (1309-48-4)

Oral LD50 Rat 3990 mg/kg (females)

Zinc oxide (1314-13-2)

Oral LD50 Rat >5000 mg/kg (in water no deaths occurred)

Manganous oxide (1344-43-0)

Oral LD50 Mouse 1000 mg/kg

Calcium carbonate (471-34-1)

Oral LD50 Rat 6450 mg/kg

Urea (57-13-6)

Oral LD50 Rat 8471 mg/kg

Vitamin D3 (67-97-0)

Oral LD50 Rat 42 mg/kg

Dermal LD50 Rat 61 mg/kg (males)

Inhalation LC50 Rat 0.13 - 0.38 mg/L 4 h

Sodium chloride (7647-14-5)

Oral LD50 Rat 3 g/kg

Inhalation LC50 Rat >42 g/m3 1 h

Monocalcium phosphate (7758-23-8)

## Safety Data Sheet

**Material Name: Texturized Lamb Creep Feed, Product Code: 7132**

**SDS ID: 7132**

Oral LD50 Rat 3986 mg/kg  
 Dermal LD50 Rabbit >2 g/kg  
 Selenium (7782-49-2)  
 Oral LD50 Rat 6700 mg/kg  
 Oils, lemongrass (8007-02-1)  
 Oral LD50 Rat >5 g/kg  
 Oils, origanum (8007-11-2)  
 Oral LD50 Rat 1850 mg/kg  
 White mineral oil (8042-47-5)  
 Oral LD50 Rat >5000 mg/kg

**Immediate Effects**

No information on significant adverse effects.

**Delayed Effects**

No information on significant adverse effects.

**Irritation/Corrosivity Data**

No data available.

**Respiratory Sensitization**

No data available.

**Dermal Sensitization**

No data available.

**Component Carcinogenicity**

Cobalt carbonate hydroxide	12602-23-2
IARC:	Monograph 52 [1991] (Group 2B (possibly carcinogenic to humans))
OSHA:	Present
Sodium saccharin	128-44-9
IARC:	Monograph 73 [1999] (downgraded from 2B to 3); Supplement 7 [1987]; Monograph 22 [1980] (Group 3 (not classifiable))
Magnesium oxide	1309-48-4
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
DFG:	Category 4 (no significant contribution to human cancer)
Diatomaceous earth	61790-53-2
IARC:	Monograph 68 [1997] (Group 3 (not classifiable))
Selenium	7782-49-2
IARC:	Supplement 7 [1987]; Monograph 9 [1975] (Group 3 (not classifiable))
DFG:	Category 3B (could be carcinogenic for man)

**Germ Cell Mutagenicity**

No data available.

**Tumorigenic Data**

No data available.

## Safety Data Sheet

**Material Name: Texturized Lamb Creep Feed, Product Code: 7132**

**SDS ID: 7132**

**Reproductive Toxicity**

No data available.

**Specific Target Organ Toxicity - Single Exposure**

No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

No data available.

**Aspiration hazard**

No data available.

**Medical Conditions Aggravated by Exposure**

No data available.

### Section 12 - ECOLOGICAL INFORMATION

**Component Analysis - Aquatic Toxicity**

Ammonium chloride	12125-02-9
Fish:	LC50 96 h Cyprinus carpio 209 mg/L [static]
Sodium saccharin	128-44-9
Fish:	LC50 96 h Pimephales promelas 16400 - 20400 mg/L [static] (30 days old)
Urea	57-13-6
Fish:	LC50 96 h Poecilia reticulata 16200 - 18300 mg/L
Invertebrate:	EC50 48 h Daphnia magna 3910 mg/L [Static] EPA
Sodium chloride	7647-14-5
Fish:	LC50 96 h Lepomis macrochirus 5560 - 6080 mg/L [flow-through]; LC50 96 h Lepomis macrochirus 12946 mg/L [static]; LC50 96 h Pimephales promelas 6020 - 7070 mg/L [static]; LC50 96 h Pimephales promelas 7050 mg/L [semi-static]; LC50 96 h Pimephales promelas 6420 - 6700 mg/L [static]; LC50 96 h Oncorhynchus mykiss 4747 - 7824 mg/L [flow-through]
Invertebrate:	EC50 48 h Daphnia magna 1000 mg/L IUCLID; EC50 48 h Daphnia magna 340.7 - 469.2 mg/L [Static] EPA
White mineral oil	8042-47-5
Fish:	LC50 96 h Lepomis macrochirus >10000 mg/L

### Section 13 - DISPOSAL CONSIDERATIONS

**Disposal Methods**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Component Waste Numbers**

The U.S. EPA has not published waste numbers for this product's components



### Safety Data Sheet

Material Name: Texturized Lamb Creep Feed, Product Code: 7132

SDS ID: 7132

#### Section 14 - TRANSPORT INFORMATION

US DOT Information:  
No Classification assigned.

TDG Information:  
No Classification assigned.

#### Section 15 - REGULATORY INFORMATION

##### U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

Ammonium chloride	12125-02-9
CERCLA:	5000 lb final RQ; 2270 kg final RQ
Selenium	7782-49-2
SARA 313:	1 % de minimis concentration
CERCLA:	100 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm); 45.4 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm)

##### U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Ammonium chloride	12125-02-9	Yes	Yes	Yes	Yes	Yes
Sodium saccharin	128-44-9	No	Yes	No	No	Yes
Magnesium oxide	1309-48-4	Yes	Yes	Yes	Yes	Yes
Zinc oxide	1314-13-2	Yes	Yes	Yes	Yes	Yes
Urea	57-13-6	No	No	Yes	No	No
Diatomaceous earth	61790-53-2	No	No	Yes	Yes	No
Selenium	7782-49-2	Yes	Yes	No	Yes	Yes

Not listed under California Proposition 65

### Safety Data Sheet

Material Name: Texturized Lamb Creep Feed, Product Code: 7132

SDS ID: 7132

**Canadian WHMIS Ingredient Disclosure List (IDL)**

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

Ammonium chloride	12125-02-9	1 %
Magnesium oxide	1309-48-4	1 %
Zinc oxide	1314-13-2	1 %
Selenium	7782-49-2	0.1 %
Oils, lemongrass	8007-02-1	1 %

**Component Analysis - Inventory**

Corn (n/a)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW
No	No	No	No	No	No	No	No	No	No	No	No	No	No

Oat Groats (n/a)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW
No	No	No	No	No	No	No	No	No	No	No	No	No	No

Soy Hulls (n/a)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW
No	No	No	No	No	No	No	No	No	No	No	No	No	No

**Safety Data Sheet****Material Name: Texturized Lamb Creep Feed, Product Code: 7132****SDS ID: 7132**

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**Section 16 - OTHER INFORMATION**

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**Summary of Changes**

New SDS: 03/01/2018

**Key / Legend**

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania\*; CAS - Chemical Abstracts Service; CFR - Code of Federal Regulations (US); CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EC - European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KECI - Korea Existing Chemicals Inventory; KECL - Korea Existing Chemicals List; KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX - Mexico; NDSL - Non-Domestic Substance List (Canada); NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL - Permissible Exposure Limit; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH - Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TCCA - Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW - Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); WHMIS - Workplace Hazardous Materials Information System (Canada).

**Other Information****Disclaimer:**

The information provided in this Safety Data Sheet is correct to the best of Ralco's knowledge, information and belief at the date of preparation. The information provided is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The conditions or methods of said handling, storage, use, and disposal of this product are beyond our control. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expenses arising out of or connected with the handling, storage, use, or disposal of this product. The information provided relates only to the specific material designated, and may not be valid for such material used in combination with any other materials or in any process, unless specified in text.

