

Safety Data Sheet**Material Name: Ralco Sheep Balancer PEL, Product Code: 7131****SDS ID: 7131**

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

Ralco Sheep Balancer PEL, Product Code: 7131

Product Use

Livestock Feed Supplement.

Restrictions on Use

Use Only as Directed on Label.

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

Section 2 - HAZARDS IDENTIFICATION

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

Serious Eye Damage/Eye Irritation - Category 2A

Reproductive Toxicity - Category 2

Specific Target Organ Toxicity - Single Exposure - Category 2 (nervous system)

Specific Target Organ Toxicity - Repeated Exposure - Category 1 (body, systemic toxicity)

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

Danger

Hazard Statement(s)

Causes serious eye irritation.

Suspected of damaging fertility or the unborn child.

May cause damage to organs.

Causes damage to organs through prolonged or repeated exposure.

Precautionary Statement(s)**Prevention**

Obtain special instructions before use.

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

Wear eye protection/face protection.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.



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Response

If exposed or concerned: Call a POISON CENTER or doctor/physician.

IF exposed or concerned: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes.

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

If eye irritation persists: Get medical advice/attention.

Get medical advice/attention if you feel unwell.

Storage

Store locked up.

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.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
n/a	Soy Meal	25-50
n/a	Wheat Midds	25-50
471-34-1	Calcium carbonate	1-25

Section 4 - FIRST AID MEASURES

Description of Necessary Measures

IF exposed or concerned: Get medical advice/attention.

If exposed or concerned: Call a POISON CENTER or doctor/physician.

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.

If eye irritation persists: Get medical advice/attention.

Get medical advice/attention if you feel unwell.

Ingestion

Rinse mouth thoroughly with water.

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Causes serious eye irritation.

Delayed

Suspected of damaging fertility or the unborn child.

May cause damage to organs.

Causes damage to organs through prolonged or repeated exposure.

Note to Physicians

Treat symptomatically.

Section 5 - FIRE FIGHTING MEASURES

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.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Use Personal Protective equipment as required.

Do not breathe dust/fume/gas/mist/vapors/spray.

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.

Section 7 - HANDLING AND STORAGE
Precautions for Safe Handling

Do not handle until all safety precautions have been read and understood.
 Use Personal Protective equipment as required.
 Do not breathe dust/fume/gas/mist/vapors/spray.
 Wash thoroughly after handling.
 Do not eat, drink or smoke when using this product.

Conditions for Safe Storage, Including any Incompatibilities

Store locked up.
 Store in a well-ventilated place.
 Keep container tightly closed.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION
Component Exposure Limits

Calcium carbonate	471-34-1
NIOSH:	10 mg/m ³ TWA total dust; 5 mg/m ³ TWA respirable dust
Ammonium chloride	12125-02-9
ACGIH:	10 mg/m ³ TWA fume
	20 mg/m ³ STEL fume
NIOSH:	10 mg/m ³ TWA fume
	20 mg/m ³ STEL fume
Mexico:	10 mg/m ³ TWA VLE-PPT fume
	20 mg/m ³ STEL [PPT-CT] fume
Magnesium oxide	1309-48-4
ACGIH:	10 mg/m ³ TWA inhalable particulate matter
NIOSH:	750 mg/m ³ IDLH fume
OSHA (US):	15 mg/m ³ TWA fume, total particulate
Mexico:	10 mg/m ³ TWA VLE-PPT as Mg fume
Selenium	7782-49-2
ACGIH:	0.2 mg/m ³ TWA
NIOSH:	0.2 mg/m ³ TWA
	1 mg/m ³ IDLH

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Zinc oxide	1314-13-2
ACGIH:	2 mg/m3 TWA respirable particulate matter
	10 mg/m3 STEL respirable particulate matter
NIOSH:	5 mg/m3 TWA dust and fume
	10 mg/m3 STEL fume
	15 mg/m3 Ceiling dust
	500 mg/m3 IDLH
OSHA (US):	5 mg/m3 TWA fume; 15 mg/m3 TWA total dust; 5 mg/m3 TWA respirable fraction
Mexico:	5 mg/m3 TWA VLE-PPT fume; 10 mg/m3 TWA VLE-PPT dust
	10 mg/m3 STEL [PPT-CT] fume
Diatomaceous earth	61790-53-2
OSHA (US):	((80)/(% SiO ₂) mg/m3 TWA); 20 mppcf TWA
Mexico:	10 mg/m3 TWA VLE-PPT inhalable fraction

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

Appearance	Pellets.	Physical State	Solid.
Odor	Slight.	Color	Brown.
Odor Threshold	Not available	pH	Not available
Melting Point	Not available	Boiling Point	Not available
Boiling Point Range	Not available	Freezing point	Not available
Evaporation Rate	Not available	Flammability (solid, gas)	Not available
Autoignition Temperature	Not available	Flash Point	Not available
Lower Explosive Limit	Not available	Decomposition temperature	Not available
Upper Explosive Limit	Not available	Vapor Pressure	Not available
Vapor Density (air=1)	Not available	Specific Gravity (water=1)	Not available
Water Solubility	Not available	Partition coefficient: n-octanol/water	Not available
Viscosity	Not available	Solubility (Other)	Not available
Density	Not available	Molecular Weight	Not available

Section 10 - STABILITY AND REACTIVITY
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.

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure**Eye Contact**

Yes.

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:

Calcium carbonate (471-34-1)

Oral LD50 Rat 6450 mg/kg

Urea (57-13-6)

Oral LD50 Rat 8471 mg/kg

Ammonium chloride (12125-02-9)

Oral LD50 Rat 1650 mg/kg

Sodium chloride (7647-14-5)

Oral LD50 Rat 3 g/kg

Inhalation LC50 Rat >42 g/m³ 1 h

Monocalcium phosphate (7758-23-8)

Oral LD50 Rat 3986 mg/kg

Dermal LD50 Rabbit >2 g/kg

Magnesium oxide (1309-48-4)

Oral LD50 Rat 3990 mg/kg (females)

Selenium (7782-49-2)

Oral LD50 Rat 6700 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

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

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

Oils, lemongrass (8007-02-1)

Oral LD50 Rat >5 g/kg

Oils, organum (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.



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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

Magnesium oxide	1309-48-4
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
DFG:	Category 4 (no significant contribution to human cancer)
Selenium	7782-49-2
IARC:	Supplement 7 [1987]; Monograph 9 [1975] (Group 3 (not classifiable))
DFG:	Category 3B (could be carcinogenic for man)
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))
Diatomaceous earth	61790-53-2
IARC:	Monograph 68 [1997] (Group 3 (not classifiable))

Germ Cell Mutagenicity

No data available.

Tumorigenic Data

No data available.

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.



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Section 12 - ECOLOGICAL INFORMATION

Component Analysis - Aquatic Toxicity

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

Section 14 - TRANSPORT INFORMATION

US DOT Information:

No Classification assigned.

TDG Information:

No Classification assigned.

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

Not listed under California Proposition 65

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 %
Selenium	7782-49-2	0.1 %
Zinc oxide	1314-13-2	1 %
Oils, lemongrass	8007-02-1	1 %

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Component Analysis – Inventory
Soy Meal (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

Wheat Midds (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

Calcium carbonate (471-34-1)

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

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Section 16 - OTHER INFORMATION

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.