

**Safety Data Sheet****Material Name: Show Gun®, Product Code: 2231****SDS ID: 2231**

---

**Section 1 - PRODUCT AND COMPANY IDENTIFICATION**

---

**Material Name**

Show Gun®, Product Code: 2231

**Product Use**

Livestock Feed Supplement.

**Restrictions on Use**

Use Only as Directed on Label.

Shake Well before using.

**Details of the supplier of the safety data sheet**

Ralco 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.**

None needed according to classification criteria

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

None needed according to classification criteria

**Signal Word**

None needed according to classification criteria

**Hazard Statement(s)**

None needed according to classification criteria.

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

None needed according to classification criteria.

**Response**

None needed according to classification criteria.

**Storage**

None needed according to classification criteria.

**Disposal**

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

---

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

---

<b>CAS</b>	<b>Component Name</b>	<b>Percent</b>
9036-66-2	Arabino Galactan	40-70
n/a	Colostrum Extract	1-25
8001-25-0	Olive oil	1-25

---

**Section 4 - FIRST AID MEASURES**

---

**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**

None Known.

**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.

**Fire Fighting Measures**

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

**Special Protective Equipment and Precautions for Firefighters**

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

---



## Safety Data Sheet

Material Name: Show Gun®, Product Code: 2231

SDS ID: 2231

---

### Section 6 - ACCIDENTAL RELEASE MEASURES

---

#### 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.

---

### Section 7 - HANDLING AND STORAGE

---

#### Precautions for Safe Handling

Use Personal Protective equipment as required. Shake Well before using.

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

Store in a well-ventilated place.

Keep container tightly closed.

Protect from sunlight.

Store in a cool, dry place.

Store locked up.

---

### Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

---

#### Component Exposure Limits

ACGIH, NIOSH, EU, OSHA (US) and Mexico have not developed exposure limits for any of this product's components

#### 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

Use suitable eye protection.

##### Skin Protection

Wear suitable protective clothing.

##### Respiratory Protection

In case of inadequate ventilation wear respiratory protection.

##### Glove Recommendations

Wear protective gloves.

---

**Safety Data Sheet**
**Material Name: Show Gun®, Product Code: 2231**
**SDS ID: 2231**


---

**Section 9 - PHYSICAL AND CHEMICAL PROPERTIES**


---

<b>Appearance</b>	Molasses.	<b>Physical State</b>	Liquid.
<b>Odor</b>	Sweet,molasses.	<b>Color</b>	Dark brown.
<b>Odor Threshold</b>	Not available	<b>pH</b>	Not available
<b>Melting Point</b>	Not available	<b>Boiling Point</b>	Not available
<b>Freezing point</b>	Not available	<b>Evaporation Rate</b>	Not available
<b>Boiling Point Range</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition</b>	Not available	<b>Flash Point</b>	Not available
<b>Lower Explosive Limit</b>	Not available	<b>Decomposition</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>Taste</b>	bittersweet
<b>Molecular Weight</b>	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**

---

**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:

Water (7732-18-5)

Oral LD50 Rat >90 mL/kg

Potassium chloride (7447-40-7)

Oral LD50 Rat 2600 mg/kg

Potassium sorbate (24634-61-5)

Oral LD50 Rat 3200 mg/kg

Oils, origanum (8007-11-2)

Oral LD50 Rat 1850 mg/kg

Propylene glycol alginate (9005-37-2)

Oral LD50 Rat 7200 mg/kg

Cinnamaldehyde (104-55-2)

Oral LD50 Rat 2220 mg/kg

Dermal LD50 Rabbit 1260 mg/kg

Sodium saccharin (128-44-9)

Oral LD50 Rat 14200 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**

Sodium saccharin	128-44-9
IARC:	Monograph 73 [1999] (downgraded from 2B to 3); Supplement 7 [1987]; Monograph 22 [1980] (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.

**Section 12 - ECOLOGICAL INFORMATION**
**Component Analysis - Aquatic Toxicity**

Potassium chloride	7447-40-7
Fish:	LC50 96 h <i>Lepomis macrochirus</i> 1060 mg/L [static]; LC50 96 h <i>Pimephales promelas</i> 750 - 1020 mg/L [static]
Algae:	EC50 72 h <i>Desmodesmus subspicatus</i> 2500 mg/L IUCLID
Invertebrate:	EC50 48 h <i>Daphnia magna</i> 825 mg/L IUCLID; EC50 48 h <i>Daphnia magna</i> 83 mg/L [Static] EPA
Potassium sorbate	24634-61-5
Fish:	LC50 96 h <i>Brachydanio rerio</i> 1250 mg/L [static]
Invertebrate:	EC50 48 h <i>Daphnia magna</i> 750 mg/L IUCLID
Sodium saccharin	128-44-9
Fish:	LC50 96 h <i>Pimephales promelas</i> 16400 - 20400 mg/L [static] (30 days old)

**Section 13 - DISPOSAL CONSIDERATIONS**
**Disposal Methods**

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

## Safety Data Sheet

**Material Name: Show Gun®, Product Code: 2231**
**SDS ID: 2231**

### Section 14 - TRANSPORT INFORMATION

**US DOT Information:**

No Classification assigned.

**TDG Information:**

No Classification assigned.

### Section 15 - REGULATORY INFORMATION

**U.S. Federal Regulations**

None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

**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
Sodium saccharin	128-44-9	No	Yes	No	No	Yes

**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.

Cinnamaldehyde	104-55-2	0.1 %
----------------	----------	-------

**Component Analysis - Inventory**

Arabino Galactan (9036-66-2)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	NSL	EIN	Yes	Yes	No	No	No	No	No	Yes	No

Olive oil (8001-25-0)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes

---

**Section 16 - OTHER INFORMATION**

---

**Summary of Changes**

SDS: 12/14/2016

Supersedes: 12/11/2015

**Key / Legend**

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; 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; EEC - European Economic Community; 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; JP - Japan; Kow - Octanol/water partition coefficient; KECI - Korea Existing Chemicals Inventory; KECL - Korea Existing Chemicals List; KR - Korea; 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; 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; 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; TSCA - Toxic Substances Control Act; TW - Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

**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.