



## Safety Data Sheet

Material Name: DuraFight Pellet, Product Code: 2614

SDS ID: 2614

---

### Section 1 - PRODUCT AND COMPANY IDENTIFICATION

---

**Material Name**

DuraFight Pellet, Product Code: 2614

**Product Use**

Flavor additive for 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  
PO Box 1083  
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

Carcinogenicity - Category 1A

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

Danger

**Hazard Statement(s)**

Causes serious eye irritation.

May cause cancer.

**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.

Wash thoroughly after handling.



## Safety Data Sheet

Material Name: DuraFight Pellet, Product Code: 2614

SDS ID: 2614

### Response

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.

### Storage

Store locked up.

### Disposal

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

### Other Hazards

May form combustible dust concentrations in air.

---

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

---

CAS	Component Name	Percent
n/a	Wheat Midds	65-90
471-34-1	Calcium carbonate	10-35
12173-10-3	Clinoptilolite	1-20

---

## Section 4 - FIRST AID MEASURES

---

### 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

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.

### Ingestion

Rinse mouth thoroughly with water.

### Most Important Symptoms/Effects

#### Acute

Causes serious eye irritation.

#### Delayed

May cause cancer.

### Note to Physicians

Treat symptomatically.



## Safety Data Sheet

Material Name: DuraFight Pellet, Product Code: 2614

SDS ID: 2614

---

### Section 5 - FIRE FIGHTING MEASURES

---

#### **Extinguishing Media**

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

Water spray, carbon dioxide, regular dry chemical, 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.

#### **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.

Wash thoroughly after handling.

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

Store locked up.

Store in a well-ventilated place.

Keep cool.

Store in a dry place.

Store in a closed container.



## Safety Data Sheet

Material Name: DuraFight Pellet, Product Code: 2614

SDS ID: 2614

### Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Component Exposure Limits

Calcium carbonate	471-34-1
NIOSH:	10 mg/m3 TWA total dust; 5 mg/m3 TWA respirable dust
Diatomaceous earth	61790-53-2
OSHA (US):	((80)/(% SiO <sub>2</sub> ) 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

Use suitable eye protection.

Wear face protection.

##### Skin Protection

Wear suitable protective clothing.

##### Respiratory Protection

In case of inadequate ventilation wear respiratory protection.

##### Glove Recommendations

Wear protective gloves.

### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Pellet.	<b>Physical State</b>	Solid.
<b>Odor</b>	Oregano.	<b>Color</b>	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>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



## Safety Data Sheet

Material Name: DuraFight Pellet, Product Code: 2614

SDS ID: 2614

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

Corn oil (8001-30-7)

Oral LD50 Rat >100 mL/kg

Sodium saccharin (128-44-9)

Oral LD50 Rat 14200 mg/kg

L-Lactic acid (79-33-4)

Oral LD50 Rat 3730 mg/kg

Dermal LD50 Rabbit >2000 mg/kg

Oils, lemongrass (8007-02-1)

Oral LD50 Rat >5 g/kg

White mineral oil (8042-47-5)

Oral LD50 Rat >5000 mg/kg



## Safety Data Sheet

Material Name: DuraFight Pellet, Product Code: 2614

SDS ID: 2614

### 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

Clinoptilolite	12173-10-3
IARC:	Monograph 68 [1997] (Group 3 (not classifiable))
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.



## Safety Data Sheet

Material Name: DuraFight Pellet, Product Code: 2614

SDS ID: 2614

---

### Section 12 - ECOLOGICAL INFORMATION

---

#### Component Analysis - Aquatic Toxicity

Sodium saccharin	128-44-9
Fish:	LC50 96 h Pimephales promelas 16400 - 20400 mg/L [static] (30 days old)
L-Lactic acid	79-33-4
Fish:	LC50 96 h Brachydanio rerio 320 mg/L [semi-static]; LC50 96 h Lepomis macrochirus 100 - 180 mg/L [static]; LC50 96 h Oncorhynchus mykiss 100 - 180 mg/L [static]
Invertebrate:	EC50 48 h Daphnia magna 240 mg/L IUCLID; EC50 48 h Daphnia magna 180 - 320 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

---

### 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.



## Safety Data Sheet

Material Name: DuraFight Pellet, Product Code: 2614

SDS ID: 2614

### 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
Corn oil	8001-30-7	No	No	No	No	Yes
Sodium saccharin	128-44-9	No	Yes	No	No	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

Oils, lemongrass	8007-02-1	1 %
------------------	-----------	-----

### Component Analysis - Inventory

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

Clinoptilolite (12173-10-3)

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	Yes	No





## Safety Data Sheet

Material Name: DuraFight Pellet, Product Code: 2614

SDS ID: 2614

---

### Section 16 - OTHER INFORMATION

---

#### Summary of Changes

SDS: 03/06/2018

Supersedes: 06/09/2017

#### 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.