

## Safety Data Sheet

Material Name: Procure™ for Soybeans, Product Code: 49551

SDS ID: 49551

### PRODUCT AND COMPANY IDENTIFICATION

**Material Name**

Procure™ for Soybeans, Product Code: 49551

**Product Use**

Liquid fertilizer.

**Restrictions on Use**

Use Only as Directed on Label. Shake well before using. Keep out of reach of children.

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

Agnition  
1600 Hahn Rd  
Marshall MN 56258

Guaranteed by:  
Ralco Nutrition, Inc.  
1600 Hahn Road,  
Marshall MN 56258  
Phone: 1-855-832-0613

### Section 2 - HAZARDS IDENTIFICATION

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

Skin Corrosion/Irritation - Category 2  
Serious Eye Damage/Eye Irritation - Category 2A  
Respiratory Sensitization - Category 1A  
Skin Sensitization - Category 1A  
Carcinogenicity - Category 1A  
Reproductive Toxicity - Category 1B  
Specific Target Organ Toxicity - Single Exposure - Category 3  
Specific Target Organ Toxicity - Repeated Exposure - Category 1 ( respiratory system )  
Specific Target Organ Toxicity - Repeated Exposure - Category 2 ( liver , testes )  
Hazardous to the Aquatic Environment - Acute - Category 3

**GHS Label Elements**

**Symbol(s)**



**Signal Word**

Danger

**Hazard Statement(s)**

Causes skin irritation.  
Causes serious eye irritation.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause an allergic skin reaction.

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May cause cancer.  
May damage fertility or the unborn child.  
May cause respiratory irritation.  
Causes damage to organs through prolonged or repeated exposure.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life.

### Precautionary Statement(s)

#### Prevention

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Do not breathe dust/fume/gas/mist/vapors/spray.  
Wear respiratory protection.  
Wash thoroughly after handling.  
Contaminated work clothing must not be allowed out of the workplace.  
Do not eat, drink or smoke when using this product.  
Avoid release to the environment.  
Wear protective gloves.

#### Response

IF exposed or concerned: Get medical advice/attention.  
IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.  
If experiencing respiratory symptoms: Call a POISON CENTER/doctor.  
IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/attention.  
Take off contaminated clothing and wash before reuse.  
Call a POISON CENTER or doctor if you feel unwell.

#### Storage

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

#### Disposal

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

### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
7732-18-5	Water	45-70
Trade Secret	Trade Secret	Trade Secret

### Section 4 - FIRST AID MEASURES

#### Description of Necessary Measures

IF exposed or concerned: Get medical advice/attention.

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### Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

### Skin

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

Call a POISON CENTER or doctor if you feel unwell.

### Eyes

IF IN 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

Causes skin irritation.

Causes serious eye irritation.

#### Delayed

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

Suspected of causing genetic defects.

May cause cancer.

May damage fertility or the unborn child.

May cause respiratory irritation.

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.

### Special Hazards Arising from the Chemical

On burning: release of toxic and corrosive gases/vapours (ammonia, nitrous vapours, carbon monoxide-carbon dioxide). Decomposes and releases toxic gases when exposed to light.

### Fire Fighting Measures

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

Exposure to fire/heat: keep upwind, consider evacuation, have neighborhood close doors and windows.

Cool tanks/drums with water spray/remove them into safety.

Dilute toxic gases with water spray.

### 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

#### 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

Harmful to aquatic life.

Avoid release to the environment.

Hazardous to the Aquatic Environment - Acute.

### Section 7 - HANDLING AND STORAGE

#### Precautions for Safe Handling

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

Use only outdoors or in a well-ventilated area.

Use Personal Protective equipment as required.

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

Wear respiratory protection.

Wash thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

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

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

Store in a well-ventilated place.

Keep container tightly closed.

Protect from freezing.

Protect from sunlight.

Keep out of reach of children.

### Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Component Exposure Limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### 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

Use only outdoors or in a well-ventilated area.

Wear respiratory protection.

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**Glove Recommendations**  
Wear protective gloves.

### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Liquid.	<b>Physical State</b>	liquid
<b>Odor</b>	Mild fruity.	<b>Color</b>	Reddish Brown Liquid.
<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>Kinematic viscosity</b>	Not available
<b>Solubility (Other)</b>	Not available	<b>Density</b>	Not available
<b>Molecular Weight</b>	Not available		

### Section 10 - STABILITY AND REACTIVITY

**Reactivity**

On burning: release of toxic and corrosive gases/vapours (ammonia, nitrous vapours, carbon monoxide-carbon dioxide. Decomposes and releases toxic gases when exposed to light.

**Chemical Stability**

Unstable on exposure to light.

**Conditions to Avoid**

Avoid contact with incompatible materials.

**Incompatible Materials**

None Known.

**Hazardous decomposition products**

Thermal decomposition may release irritating gases, such as metal oxides, or toxic gases, such as carbon monoxide.

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### Section 11 - TOXICOLOGICAL INFORMATION

#### Information on Likely Routes of Exposure

##### Inhalation

Yes.

##### Skin Contact

Yes.

##### 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:

##### Water (7732-18-5)

Oral LD50 Rat >90 mL/kg

##### L-Lactic acid (79-33-4)

Oral LD50 Rat 3730 mg/kg

Dermal LD50 Rabbit >2000 mg/kg

##### Nickel sulfate hexahydrate (10101-97-0)

Oral LD50 Rat 264 mg/kg

##### Ammonium molybdate(VI) (12027-67-7)

Oral LD50 Rat 333 mg/kg

#### Product Toxicity Data

##### Acute Toxicity Estimate

Dermal	> 2000 mg/kg
Inhalation - Vapor	> 20 mg/L
Oral	> 2000 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

Nickel sulfate hexahydrate	10101-97-0
IARC:	Monograph 49 [1990] (Group 1 (carcinogenic to humans))
NTP:	Known Human Carcinogen
OSHA:	Present

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**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**

<b>L-Lactic acid</b>	<b>79-33-4</b>
<b>Fish:</b>	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 ]
<b>Invertebrate:</b>	EC50 48 h Daphnia magna 240 mg/L IUCLID ; EC50 48 h Daphnia magna 180 - 320 mg/L [Static ] EPA

### Section 13 - DISPOSAL CONSIDERATIONS

**Disposal Methods**

Collect in closed and suitable containers for disposal.

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

Avoid release to the environment.

**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.

**International Bulk Chemical Code**

This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

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<b>Section 15 - REGULATORY INFORMATION</b>
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**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.

<b>Trade Secret</b>	<b>Trade Secret</b>
CERCLA:	Trade Secret lb final RQ ; Trade Secret kg final RQ

**SARA Section 311/312 (40 CFR 370 Subparts B and C) reporting categories**

Carcinogenicity; Reproductive Toxicity; Skin Corrosion/Irritation; Respiratory/Skin Sensitization; Serious Eye Damage/Eye Irritation; Specific Target Organ Toxicity

**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
<b>Trade Secret</b>	<b>Trade Secret</b>	Yes	Yes	No	Yes	Yes
<b>Nickel sulfate hexahydrate</b>	<b>10101-97-0</b>	No	No	No	Yes	No

**California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)**

Not listed under California Proposition 65.

**Canada Regulations**

**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

<b>Ammonium molybdate(VI)</b>	<b>12027-67-7</b>	<b>1 %</b>
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**Component Analysis - Inventory**

**Water (7732-18-5)**

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

**Trade Secret (Trade Secret)**

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



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### Section 16 - OTHER INFORMATION

#### Preparation Date

New SDS: 12/7/2018

#### 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; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CFR - Code of Federal Regulations (US); 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; F - Background (for Venezuela Biological Exposure Indices); 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; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL) , 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; Ne - Non-specific; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; Nq - Non-quantitative; NSL - Non-Domestic Substance List (Canada); 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; Sc - Semi-quantitative; 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); VN (Draft) - Vietnam (Draft); 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.