

## Award Turf Fertilizer with Imi-Lambda 18-0-4 with 50% RXN

Revision: 04/03/2018

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** 495-0410  
**Product Name:** Award Turf Fertilizer with Imi-Lambda 18-0-4 with 50% RXN  
**Reference #:** 228-610-57131  
**Company Name:** Eau Claire Coop Oil Company  
 P.O. Box 837  
 Eau Claire, WI 54702  
  
**Emergency Contact:** Chemtrec (800)424-9300  
**Information:** Product Related (715)876-6422

### 2. HAZARDS IDENTIFICATION

**Serious Eye Damage/Eye Irritation, Category 2A**  
**Acute Toxicity: Inhalation, Category 4**  
**Acute Toxicity: Oral, Category 4**  
**Skin Corrosion/Irritation, Category 2**  
**Target Organ Systemic Toxicity (repeated exposure), Category 2**  
**Aquatic Toxicity (Acute), Category 3**  
**Aquatic Toxicity (Chronic), Category 1**

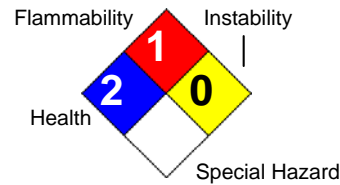


**GHS Signal Word:** **Warning**  
**GHS Hazard Phrases:** Causes serious eye irritation.  
 Harmful if inhaled.  
 Harmful if swallowed.  
 Causes skin irritation.  
 May cause damage to organs through prolonged or repeated exposure.  
 Harmful to aquatic life.  
 Very toxic to aquatic life with long lasting effects.  
  
**GHS Precaution Phrases:** Wash hands thoroughly after handling.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 Use only outdoors or in a well-ventilated area.  
 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 Do not eat, drink or smoke when using this product.  
 Take off contaminated clothing and wash it before reuse.  
 Avoid release to the environment.  
  
**GHS Response Phrases:** IF IN EYES: Rinse cautiously with water for 15 - 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 Call a POISON CENTER or doctor/physician if exposed or you feel unwell.  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
 Rinse mouth.  
 IF ON SKIN: Wash with plenty of soap and water.  
 If skin irritation persists, get medical advice/attention.  
  
**GHS Storage and Disposal Phrases:** Dispose of contents/container in accordance with local/regional/national/international regulations.

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## Hazard Rating System:

**Potential Health Effects  
(Acute and Chronic):**

May cause respiratory tract irritation.  
Not expected to be a chronic hazard.

**Inhalation:**

May be harmful if inhaled. Inhalation of dust may cause respiratory tract irritation.

**Skin Contact:**

Prolonged or repeated skin contact should be avoided.  
May cause skin irritation.  
May be harmful if absorbed through the skin.

**Eye Contact:**

May cause eye irritation.  
Dust may cause mechanical irritation.

**Ingestion:**

May be harmful if swallowed.  
May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
57-13-6	Urea	11.0 -92.0 %
NA	Other Non-Hazardous Ingredients	2.0 -85.0 %
16389-88-1	Dolomitic limestone	2.0 -85.0 %
138261-41-3	Imidacloprid	0.2 %
7447-40-7	Potassium chloride	4.0 -70.0 %
91465-08-6	Lambda-Cyhalothrin Cyclopropanecarboxylic acid, 3-2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl- cyano(3-phenoxyph	0.04 %

### 4. FIRST AID MEASURES

**Emergency and First Aid****Procedures:**

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. Get medical aid if cough or other symptoms appear.

**In Case of Inhalation:****In Case of Skin Contact:**

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse. Wash off with soap and plenty of water.

**In Case of Eye Contact:**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid if irritation develops or persists.

**In Case of Ingestion:**

If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. For further assistance, contact your local Poison Control Center 1-800-222-1222.

**Note to Physician:**

Treat symptomatically and supportively.

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## 5. FIRE FIGHTING MEASURES

<b>Flash Pt:</b>	No data.	
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.
<b>Autoignition Pt:</b>	No data.	
<b>Suitable Extinguishing Media:</b>	Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. Use water spray, dry chemical, carbon dioxide, or chemical foam.	
<b>Fire Fighting Instructions:</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Substance is noncombustible. Water runoff can cause environmental damage. Dike and collect water used to fight fire. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Decomposes at high temperatures, resulting in toxic and corrosive products. Use extinguishing media appropriate to surrounding fire conditions.	
<b>Flammable Properties and Hazards:</b>	No data available.	

## 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental Precautions:</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains or waterways. Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. Avoid generating dusty conditions. Evacuate personnel to safe areas. Do not let this chemical enter the environment.
<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

## 7. HANDLING AND STORAGE

<b>Precautions To Be Taken in Handling:</b>	Use with adequate ventilation. Minimize dust generation and accumulation. Avoid breathing dust, mist, or vapor. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash hands thoroughly after handling. Keep container tightly closed. Wash clothing before reuse.
<b>Precautions To Be Taken in Storing:</b>	Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances, inaccessible to children and domestic animals.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
57-13-6	Urea	PEL: PNOR 15 Total 5 Resp. mg/m3	TLV: PNOS 10 Inhalable 3 Resp. mg/m3	No data.
NA	Other Non-Hazardous Ingredients	No data.	No data.	No data.
16389-88-1	Dolomitic limestone	PEL: 15 Total 5 Respirable mg/m3	TLV: 10 total 5 Respirable mg/m3	No data.
138261-41-3	Imidacloprid	No data.	No data.	0.70 mg/m3 TWA
7447-40-7	Potassium chloride	PEL: PNOR 15 Total 5 Resp. mg/m3	TLV: PNOS 10 Inhalable 3 Resp. mg/m3	No data.
91465-08-6	Lambda-Cyhalothrin Cyclopropanecarboxylic acid, 3-2-chloro-3,3,3-trifluoro-1-propenyl)-2, 2-dimethyl- cyano(3-phenoxyph	No data.	No data.	No data.

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<b>Respiratory Equipment (Specify Type):</b>	A respiratory protection program that meets OSHA's 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
<b>Eye Protection:</b>	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133
<b>Protective Gloves:</b>	Wear appropriate protective gloves to prevent skin exposure. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
<b>Other Protective Clothing:</b>	Wear appropriate protective clothing to prevent skin exposure.
<b>Engineering Controls (Ventilation etc.):</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
<b>Work/Hygienic/Maintenance Practices:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical States:</b>	[ ] Gas [ ] Liquid [ X ] Solid
<b>Appearance and Odor:</b>	Various Colors.
<b>Melting Point:</b>	No data.
<b>Boiling Point:</b>	No data.
<b>Autoignition Pt:</b>	No data.
<b>Flash Pt:</b>	No data.
<b>Explosive Limits:</b>	LEL: No data. UEL: No data.
<b>Specific Gravity (Water = 1):</b>	No data.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.
<b>Vapor Density (vs. Air = 1):</b>	No data.
<b>Evaporation Rate:</b>	No data.
<b>Solubility in Water:</b>	No data.
<b>Percent Volatile:</b>	No data.

**10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Unstable [ ] Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	Incompatible materials, dust generation, Excess heat.
<b>Incompatibility - Materials To Avoid:</b>	Strong acids, Strong bases, Strong oxidizing agents, Sodium hypochlorite, Calcium hypochlorite, Hydrogen flouride, Sodium nitrate, Nitrosyl Perchlorate, DICHROMATES, Liquid chlorine, Nitrates, Permanganates, Chromyl chloride, No significant incompatibilities identified with common materials and contaminants.
<b>Hazardous Decomposition Or Byproducts:</b>	Under fire conditions may produce hydrogen chloride, hydrogen sulfide, hydrogen flouride, ammonia, and oxides of carbon, nitrogen, phosphorus and sulfur.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ] Will not occur [ X ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.

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**11. TOXICOLOGICAL INFORMATION**

**Toxicological Information:** Acute toxicity, LD50 Oral, Rat, >5000 MG/KG  
Acute toxicity, LD50 Dermal, Rat, >5000 MG/KG  
Acute toxicity, LC50 Inhalation, Rat, >2.04 MG/L, 4H.  
Imidacloprid was not carcinogenic in lifetime feeding studies in rats and mice.  
Lambda-Cyhalothrin is not known to be carcinogenic.

**Carcinogenicity/Other Information:** OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Additional studies are needed to determine whether the cell transforming activity of quartz is related to its carcinogenic potential.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
57-13-6	Urea	n.a.	n.a.	n.a.	n.a.
NA	Other Non-Hazardous Ingredients	n.a.	n.a.	n.a.	n.a.
16389-88-1	Dolomitic limestone	n.a.	n.a.	n.a.	n.a.
138261-41-3	Imidacloprid	n.a.	n.a.	n.a.	n.a.
7447-40-7	Potassium chloride	n.a.	n.a.	n.a.	n.a.
91465-08-6	Lambda-Cyhalothrin Cyclopropanecarboxylic acid, 3-2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl- cyano(3-phenoxyph	n.a.	n.a.	n.a.	n.a.

**12. ECOLOGICAL INFORMATION**

**General Ecological Information:** This product is highly toxic to aquatic invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

Lambda-Cyhalothrin:

96 Hour LC50 Bluegill, 0.00021 ppm

96 Hour LC50 Rainbow Trout, 0.00024 ppm

48 Hour LC50 Daphnia, 0.00036 ppm.

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

Contaminated packaging.

Dispose of as unused product.

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**14. TRANSPORT INFORMATION**

**GHS Classification:** Serious Eye Damage/Eye Irritation, Category 2A - Warning! Causes serious eye irritation  
 Acute Toxicity: Inhalation, Category 4 - Warning! Harmful if inhaled  
 Acute Toxicity: Oral, Category 4 - Warning! Harmful if swallowed  
 Skin Corrosion/Irritation, Category 2 - Warning! Causes skin irritation  
 Target Organ Systemic Toxicity (repeated exposure), Category 2 - Warning! May cause damage to {<target organs>} through prolonged or repeated exposure  
 Aquatic Toxicity (Acute), Category 3 - Harmful to aquatic life  
 Aquatic Toxicity (Chronic), Category 1 - Warning! Very toxic to aquatic life with long lasting effects

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not Regulated.

**DOT Hazard Class:**

**UN/NA Number:**

**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** Not Regulated.

**15. REGULATORY INFORMATION**

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
57-13-6	Urea	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory, 8A CAIR; CA PROP.65: No; CA TAC, Title 8: No; WI Air: No
NA	Other Non-Hazardous Ingredients	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No; CA TAC, Title 8: No; WI Air: No
16389-88-1	Dolomitic limestone	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: No; WI Air: No
138261-41-3	Imidacloprid	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No; CA TAC, Title 8: No; WI Air: No
7447-40-7	Potassium chloride	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: No; WI Air: No
91465-08-6	Lambda-Cyhalothrin Cyclopropanecarboxylic acid, 3-2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl- cyano(3-phenoxyph	CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: No; CA PROP.65: No; CA TAC, Title 8: TAC; WI Air: No

**Regulatory Information:** This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing.  
**ENVIRONMENTAL HAZARDS:** This product is highly toxic to fish and aquatic invertebrates. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or

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rinsate. Runoff may be hazardous to aquatic organisms in water adjacent to treated areas. The product contains a chemical with properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

**16. OTHER INFORMATION****Revision Date:** 04/03/2018**Additional Information About** No data available.**This Product:****Company Policy or****Disclaimer:**

This Safety Data Sheet (SDS) is to be used as a reference to address the safe handling of the product. All statements, technical information and recommendations contained herein are to the best of our knowledge, reliable and accurate. This SDS is not intended to make any representation as to how the product will perform when used as intended. Nothing in this SDS is intended to be a representation or warranty by the manufacturer with regard to accuracy, safety, usefulness, technical information, materials, techniques, or practices. This product is sold "AS IS" and nothing in this SDS should be deemed to be a representation or warranty of any injury, loss, or damage of any kind sustained by, or arise from, the use of this product.