

**Award Turf Fertilizer with 0.43% Barricade herbicide 14-0-4 50% RXN**

Revision: 11/17/2014

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Code:** 370-5190  
**Product Name:** Award Turf Fertilizer with 0.43% Barricade herbicide 14-0-4 50% RXN  
**Reference #:** 100-1340-57131  
**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**

**GHS Signal Word:** **Warning**

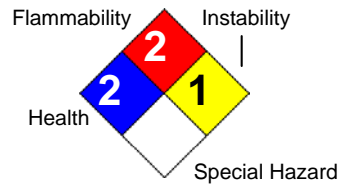
**GHS Hazard Phrases:** Causes serious eye irritation.  
 Harmful if inhaled.  
 Harmful if swallowed.  
 Causes skin irritation.

**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.  
 Keep out of reach of children.

**GHS Response Phrases:** IF IN EYES: Rinse cautiously with water for 15 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/doctor/physician if 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.

## 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:**

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

**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 %
7447-40-7	Potassium chloride	4.0 -70.0 %
29091-21-2	Prodiamine	0.43 %
16389-88-1	Dolomitic limestone	2.0 -85.0 %

**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. Wash clothing before reuse. Get medical aid if irritation develops and persists. 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 and 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.

**5. FIRE FIGHTING MEASURES**

**Flash Pt:** No data. Method Used: Estimate

**Explosive Limits:** LEL: No data. UEL: No data.

**Autoignition Pt:** No data.

**Suitable Extinguishing Media:** Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

**Fire Fighting Instructions:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Containers may explode in the heat of a fire. Use extinguishing media appropriate to surrounding fire conditions. Substance is noncombustible. Decomposes at high temperatures, resulting in toxic and corrosive products. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

**Flammable Properties and**

No data available.

**Hazards:**

**6. ACCIDENTAL RELEASE MEASURES**

**Environmental Precautions:** 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. Provide ventilation.

**Steps To Be Taken In Case Material Is Released Or Spilled:** 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. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas. Do not let this chemical enter the environment.

**7. HANDLING AND STORAGE**

**Precautions To Be Taken in Handling:** Minimize dust generation and accumulation. Avoid breathing dust, mist, or vapor. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Wash clothing before reuse. Wash hands thoroughly after handling.

**Precautions To Be Taken in Storing:** Store in a tightly closed container. 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.
7447-40-7	Potassium chloride	PEL: PNOR 15 Total 5 Resp. mg/m3	TLV: PNOS 10 Inhalable 3 Resp. mg/m3	No data.
29091-21-2	Prodiamine	No data.	No data.	SYNGENTA 10 mg/m3 TWA
16389-88-1	Dolomitic limestone	PEL: 15 Total 5 Respirable mg/m3	TLV: 10 total 5 Respirable mg/m3	No data.

**Respiratory Equipment (Specify Type):** 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.

**Eye Protection:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133

**Protective Gloves:** 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.

**Other Protective Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Engineering Controls (Ventilation etc.):** 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.

**Work/Hygienic/Maintenance Practices:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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

**10. STABILITY AND REACTIVITY**

**Stability:** Unstable [ ] Stable [ X ]  
**Conditions To Avoid - Instability:** Incompatible materials, dust generation.  
**Incompatibility - Materials To Avoid:** 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.  
**Hazardous Decomposition Or Byproducts:** Oxides of phosphorus, Nitrogen oxides (NOx) and ammonia (NH3), Carbon monoxide, Oxides of nitrogen, Carbon dioxide, Oxides of sulfur, Oxides of potassium, Hydrogen cyanide, Hydrogen chloride.  
**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]  
**Conditions To Avoid - Hazardous Reactions:** No data available.

**11. TOXICOLOGICAL INFORMATION**

**Toxicological Information:** CAS# 29091-21-2: Prodiamine:  
 Acute toxicity, LD50, Ingestion:, Rat, 5000. MG/KG.  
 Acute toxicity, LD50, Dermal, Rat, 2000. MG/KG.  
 Acute toxicity, LC50, Inhalation, Rat, 1.800 MG/L, 4 H.  
**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 to determine whether the cell transforming activity of quartz is related to its carcinogenic potential.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
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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.
7447-40-7	Potassium chloride	n.a.	n.a.	n.a.	n.a.
29091-21-2	Prodiamine	n.a.	n.a.	n.a.	n.a.
16389-88-1	Dolomitic limestone	n.a.	n.a.	n.a.	n.a.

## 12. ECOLOGICAL INFORMATION

**General Ecological Information:**

This product has low solubility in water. At the limits of solubility, this product is not toxic to fish. However, at concentrations above the level of water solubility, it may be toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment wash waters.

## 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.

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging.

Dispose of as unused product.

## 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

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:**

**DOT Hazard Class:**

**UN/NA Number:**

**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** No information available.

## 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
7447-40-7	Potassium chloride	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA

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29091-21-2 Prodiamine

PROP.65: No; CA TAC, Title 8: No; WI Air: No

CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; 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

**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: Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves (such as natural rubber Selection Category A). Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**16. OTHER INFORMATION****Revision Date:** 11/17/2014**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.