

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** 495-5110  
**Product Name:** Award Turf Fertilizer with Prodiamine .37% 14-0-4 20% RXN  
**Reference #:** 53883-172-57131  
**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  
  
**Part Number:** 495-5110gp, 495-5117

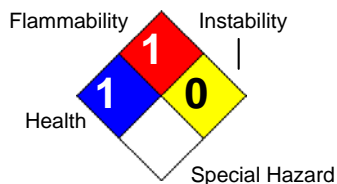
## 2. HAZARDS IDENTIFICATION

**Serious Eye Damage/Eye Irritation, Category 2B**  
**Target Organ Systemic Toxicity (repeated exposure), Category 1**



**GHS Signal Word:** **Danger**  
**GHS Hazard Phrases:** Causes damage to organs through prolonged or repeated exposure.  
**GHS Precaution Phrases:** Wash hands thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Do not breathe dust.  
  
**GHS Response Phrases:** 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.  
 Get medical attention/advice if you feel unwell.  
  
**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):** Chronic: Prolonged or repeated exposure may cause adverse reproductive effects.  
**Inhalation:** May be harmful if inhaled. Low hazard for normal industrial handling.  
**Skin Contact:** May cause skin irritation. Causes redness and pain. Low hazard for usual industrial handling.  
**Eye Contact:** May cause eye irritation. Causes redness and pain.  
**Ingestion:** Causes gastrointestinal irritation with nausea, vomiting and diarrhea. May cause cardiac disturbances. May be harmful if swallowed. May cause irritation of the digestive tract. Low hazard for usual industrial handling.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
57-13-6	Urea	11.0 -92.0 %
16389-88-1	Dolomitic limestone	2.0 -85.0 %
NA	Other Non-Hazardous Ingredients	2.0 -85.0 %
7447-40-7	Potassium chloride	4.0 -70.0 %
14808-60-7	Quartz	0.1 -1.0 %
29091-21-2	Prodiamine	0.37 %

### 4. FIRST AID MEASURES

**Emergency and First Aid**

**Procedures:** Remove from exposure and move to fresh air immediately. Get medical aid if cough or other symptoms appear. Consult a physician.

**In Case of Inhalation:** Remove from exposure and move to fresh air immediately. Get medical aid if cough or other symptoms appear. Consult a physician.

**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 or persists. Wash off with soap and plenty of water. Consult a physician.

**In Case of Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.

**In Case of Ingestion:** Get medical aid if irritation or symptoms occur. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Signs and Symptoms Of Exposure:** Prolonged inhalation of crystalline silica may result in silicosis, a disabling pulmonary fibrosis characterized by fibrotic changes and miliary nodules in the lungs, a dry cough, shortness of breath, emphysema, decreased chest expansion, and increased susceptibility to tuberculosis. In advanced stages, loss of appetite, pleuritic pain, and total incapacity to work. Advanced silicosis may result in death due to cardiac failure or destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP.

The chronic health risks are associated with respirable particles of 3-4 um over protracted periods of time.

**Note to Physician:** Treat symptomatically and supportively.

### 5. FIRE FIGHTING MEASURES

**Flash Pt:** No data.

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

**Autoignition Pt:** No data.

**Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam. Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Fire Fighting Instructions:** Wear self contained breathing apparatus for fire fighting if necessary. The product itself does not burn.

**Flammable Properties and Hazards:** No data available.

**6. ACCIDENTAL RELEASE MEASURES**

**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. Avoid generating dusty conditions. Do not let this chemical enter the environment.  
 Personal precautions.  
 Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.  
 Environmental precautions.  
 Prevent further leakage or spillage if safe to do so. Do not let product enter drains.  
  
 Pick up and arrange disposal without creating dust. Sweep up and shovel.

**7. HANDLING AND STORAGE**

**Precautions To Be Taken in Handling:** 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. Provide appropriate exhaust ventilation at places where dust is formed.

**Precautions To Be Taken in Storing:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

**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.
16389-88-1	Dolomitic limestone	PEL: 15 Total 5 Respirable mg/m3	TLV: 10 total 5 Respirable 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.
14808-60-7	Quartz	PEL: 0.3 Total 0.1 Respirable mg/m3	TLV: 0.025 Respirable mg/m3	No data.
29091-21-2	Prodiamine	No data.	No data.	SYNGENTA 10 mg/m3 TWA

**Respiratory Equipment (Specify Type):** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use. For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**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 or European Standard EN166. Safety glasses with side-shields conforming to EN166.

**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.

**Award Turf Fertilizer with Prodiamine .37%**

Revision: 04/28/2014

**14-0-4 20% RXN**

**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.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical States:** [ ] Gas [ ] Liquid [ X ] Solid

**Appearance and Odor:** Appearance: Various Colors.

**Melting Point:** No data.

**Boiling Point:** No data.

**Autoignition Pt:** No data.

**Flash Pt:** No data.

**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, Excess heat, No data available.

**Incompatibility - Materials To Avoid:** sodium hypochlorite). calcium hypochlorite, sodium nitrate, nitrosyl perchlorate, Strong oxidizing agents, DICHROMATES, liquid chlorine, nitrates, permanganates, chromyl chloride, bromine trifluoride, Strong acids, Sulfuric acid, potassium permanganate, Hydrogen fluoride.

**Hazardous Decomposition Or Byproducts:** Carbon monoxide, oxides of nitrogen, Carbon dioxide, Hydrogen chloride, chlorine, formed under fire conditions.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]

**Conditions To Avoid - Hazardous Reactions:** No data available.

**11. TOXICOLOGICAL INFORMATION**

**Toxicological Information:** Acute toxicity. No data available.  
 Respiratory or skin sensitization: Germ cell mutagenicity. Reproductive toxicity - no data available.  
 Specific target organ toxicity -single exposure (Globally Harmonized System) Specific target organ toxicity -repeated exposure (Globally Harmonized System)  
 Inhalation: May cause damage to organs through prolonged or repeated exposure.  
 Aspiration hazard.

**Irritation or Corrosion:** No data available.

**Carcinogenicity/Other Information:** CAS# 57-13-6: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 7447-40-7: Not listed by ACGIH, IARC, NTP, or CA Prop 65. Carcinogenicity.  
 IARC Group 2A: Suspected human carcinogenic substance.  
 NTP: Known to be human carcinogen Aluminum arsenide  
 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.
16389-88-1	Dolomitic limestone	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.
14808-60-7	Quartz	Known	1	A2	n.a.
29091-21-2	Prodiamine	n.a.	n.a.	n.a.	n.a.

**12. ECOLOGICAL INFORMATION**

**General Ecological Information:** Environmental: If released to the atmosphere, urea will degrade rapidly in the vapor-phase by reaction with photochemically produced hydroxyl radicals (half-life of 9.6 hr). If released to soil, urea is hydrolyzed to ammonium through soil urease activity (the basis of its use as a fertilizer). The rate of hydrolysis can be fast (24 hr); however, a number a variables (such as increasing the pellet size of the fertilizer) can decrease the degradation rate from days to weeks.  
 Physical: No information found.  
 No information available.  
 Physical: No information available.  
 Other: Do not empty into drains.

**Persistence and Degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**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. Product.  
Offer surplus and non-recyclable solutions to a licensed disposal company.

**14. TRANSPORT INFORMATION**

**GHS Classification:** Serious Eye Damage/Eye Irritation, Category 2B - Warning! Causes eye irritation  
Target Organ Systemic Toxicity (repeated exposure), Category 1 - Danger! Causes damage to {<target organs>} through prolonged or repeated exposure

**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
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
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 PROP.65: No; CA TAC, Title 8: No; WI Air: No
14808-60-7	Quartz	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: No; WI Air: No
29091-21-2	Prodiamine	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**

Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Prolonged or reated skin contact with product may cause allergic reactions in some individuals.

**16. OTHER INFORMATION**

**Revision Date:** 04/28/2014

**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.