

**Prolinks Golf Course Products Millenium Ultra
Weed & Feed 18-0-6 25% PCSCU**

Revision: 01/13/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: 544-3020
Product Name: Prolinks Golf Course Products Millenium Ultra Weed & Feed 18-0-6 25% PCSCU
Reference #: 228-343-57131
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: 545-3230

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.

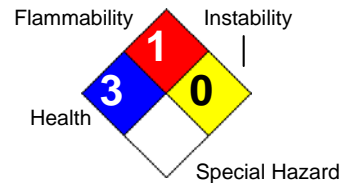
GHS Response Phrases: IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists, get medical advice/attention.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Call a POISON CENTER or 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.

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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:

May cause skin irritation. May be harmful if absorbed through the skin.

Eye Contact:

Dust may cause mechanical irritation.
May cause eye 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
2008-39-1	Dimethylamine salt of 2,4-Dichlorophenoxyacetic acid	0.69 %
1702-17-6	Clopyralid acid (3,6-Dichloro-2-pyridinecarboxylic acid)	0.071 %
1918-00-9	Dicamba acid (3,6-Dichloro-o-anisic acid)	0.071 %
57-13-6	Urea	11.0 -92.0 %
7447-40-7	Potassium chloride	4.0 -70.0 %
NA	Other Non-Hazardous Ingredients	2.0 -85.0 %
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. 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:

Remove contact lenses, if present and easy to do. Continue rinsing. Get medical aid if irritation develops and persists. Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

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

Flash Pt:	No data.	
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:	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. 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.	
Flammable Properties and Hazards:	No data available.	

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:	Wash hands thoroughly after handling. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Wash clothing before reuse. Avoid breathing dust, mist, or vapor.
Precautions To Be Taken in Storing:	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
2008-39-1	Dimethylamine salt of 2,4-Dichlorophenoxyacetic acid	PEL: 10 mg/m3	TLV: 10 mg/m3	No data.
1702-17-6	Clopyralid acid (3,6-Dichloro-2-pyridinecarboxylic acid)	No data.	No data.	No data.
1918-00-9	Dicamba acid (3,6-Dichloro-o-anisic acid)	No data.	No data.	No data.
57-13-6	Urea	PEL: PNOR 15 Total 5 Resp. mg/m3	TLV: PNOS 10 Inhalable 3 Resp. mg/m3	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.
NA	Other Non-Hazardous Ingredients	No data.	No data.	No data.
16389-88-1	Dolomitic limestone	PEL: 15 Total 5 Respirable	TLV: 10 total 5 Respirable	No data.

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mg/m3

mg/m3

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.

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.		
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:	dust generation, Incompatible materials, Excess heat.	
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.	

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11. TOXICOLOGICAL INFORMATION

Toxicological Information:

CAS# 2008-39-1: Dimethylamine salt of 2,4-Dichlorophenoxyacetic acid:
 Acute toxicity, LD50, Oral, Rat, 949.0 MG/KG.
 Acute toxicity, LD50, Dermal, Rat, 1829. MG/KG.
 Acute toxicity, LC50, Inhalation, Rat, 3.500 MG/L, 4 H.
 CAS# 1702-17-6: Clopyralid acid (3,6-Dichloro-2-pyridinecarboxylic acid):
 Acute toxicity, LD50, Oral, Rat, 5000. MG/KG.
 Acute toxicity, LD50, Dermal, Rabbit, 2000. MG/KG.
 Acute toxicity, LC50, Inhalation, Rat, 1.000 HAC, 4 H.
 CAS# 1918-00-9: Dicamba acid (3,6-Dichloro-o-anisic acid):
 Acute toxicity, LD50, Oral, Rat, 1707. MG/KG.
 Acute toxicity, LD50, Dermal, Rat, 2000. MG/KG.
 Acute toxicity, LC50, Inhalation, Rat, 9.600 MG/L, 4 H.

Carcinogenicity/Other Information:

IARC Group 2B: Limited evidence for carcinogenity in humans. 2,4-D did not show carcinogenic potential in lifetime feeding studies of rats and mice. Clopyralid did not cause cancer in laboratory animal studies. Dicamba did not cause cancer in long-term animal studies. According to the U.S. EPA 2,4-D and dicamba are not classified as human carcinogens.

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
2008-39-1	Dimethylamine salt of 2,4-Dichlorophenoxyacetic acid	n.a.	n.a.	n.a.	n.a.
1702-17-6	Clopyralid acid (3,6-Dichloro-2-pyridinecarboxylic acid)	n.a.	n.a.	n.a.	n.a.
1918-00-9	Dicamba acid (3,6-Dichloro-o-anisic acid)	n.a.	n.a.	n.a.	n.a.
57-13-6	Urea	n.a.	n.a.	n.a.	n.a.
7447-40-7	Potassium chloride	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.

12. ECOLOGICAL INFORMATION

General Ecological Information:

This pesticide may be toxic to fish and aquatic invertebrates. 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 may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

This chemical has 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. Application around a cistern or well may result in contamination of drinking water or groundwater.

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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 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:

15. REGULATORY INFORMATION

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
2008-39-1	Dimethylamine salt of 2,4-Dichlorophenoxyacetic acid	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No; CA TAC, Title 8: No; WI Air: No
1702-17-6	Clopyralid acid (3,6-Dichloro-2-pyridinecarboxylic acid)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: No; WI Air: No
1918-00-9	Dicamba acid (3,6-Dichloro-o-anisic acid)	CAA HAP,ODC: No; CWA NPDES: Yes; TSCA: No; CA PROP.65: No; CA TAC, Title 8: Title 8; WI Air: No
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
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
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

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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, skin, or clothing.
USER SAFETY RECOMMENDATIONS: Users Should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

16. OTHER INFORMATION

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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.