



**SAFETY DATA SHEET**  
**Fertilizer 22-2-3 31% CRN, w/XCU,**  
**Bios 1.55% Fe**

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Code:** GW22-2-3  
**Product Name:** Turf Fertilizer 22-2-3 31% CRN, w/xcu, bios. 1.55% fe  
**Company Name:** Atlantic Golf & Turf  
9 Industrial Blvd  
Turners Falls MA 01376

**Emergency Contact:** Chemtrec (800)424-9300  
**Information:** Product Related (732)446-6363

**2. HAZARDS IDENTIFICATION**

**Skin Corrosion/Irritation, Category 2**  
**Serious Eye Damage/Eye Irritation, Category 2A**  
**Acute Toxicity: Oral, Category 4**  
**Acute Toxicity: Inhalation, Category 4**



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

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

**GHS Precaution Phrases:** Keep out of reach of children. Wash hands thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Take off contaminated clothing and wash it before reuse.

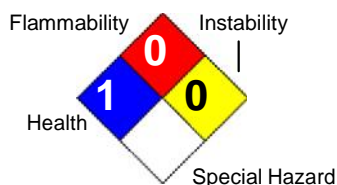
**GHS Response Phrases:** IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation persists, get medical advice/attention.  
IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists, get medical advice/attention.  
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
Rinse mouth.  
IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.  
Call a POISON CENTER or doctor/physician if you feel unwell.

**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):**

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

**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:**

Causes gastrointestinal irritation with nausea, vomiting and diarrhea.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

CAS #	Hazardous Components (Chemical Name)	Concentration
57-13-6	Urea	43 %
10544-72-6	Muriate of Potash	5 %
7732-18-5	Oceangro	52 %

**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.

**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 or persists. Wash clothing before reuse.

**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.

**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.

**Fire Fighting Instructions:**

Decomposes at high temperatures, resulting in toxic and corrosive products. 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. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

**Flammable Properties and Hazards:**

No data available.



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**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. Provide ventilation. Clean up spills immediately, observing precautions in the Protective Equipment section.

**7. HANDLING AND STORAGE**

**Precautions To Be Taken in Handling:**

Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash hands thoroughly after handling. Remove contaminated clothing and wash before reuse. Keep container tightly closed.

**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**

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Nuisance Dusts	10 mg/m3 (TWA- Total dust)	15 mg/m3 (TWA total) 50 mppcf (TWA total) 5 mppcf (TWA respirable)	Not Established

IDLH refers to amounts that are "Immediately Dangerous to Life of Health"

Engineering controls: Use with adequate ventilation and follow safe work practices to prevent dust buildup in air.

**Respiratory Equipment**

Dust mask recommended for dusty or misty conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

**(Specify Type): Eye protection:**

Safety glasses, or goggles if eye contact is likely.

**Protective Clothing:**

Gloves and standard work coveralls recommended.

**General Hygiene**

When using product, do not eat, drink or smoke. Wash hands thoroughly after handling. Wash contaminated clothing before reuse.



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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.  
**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.  
**Incompatibility - Materials To Avoid:** Strong bases, Strong oxidizing agents, DICHROMATES, liquid chlorine, nitrates, permanganates, chromyl chloride, Strong acids, Aluminum, Hypochlorites.  
**Hazardous Decomposition Or Byproducts:** Carbon monoxide, oxides of nitrogen, Carbon dioxide, Hydrogen chloride, chlorine, irritating and toxic fumes and gases.  
**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]  
**Conditions To Avoid - Hazardous Reactions:** No data available.

**11. TOXICOLOGICAL INFORMATION**

**Toxicological Information:** No data available.  
**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
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.
10544-72-6	Muriate of Potash	n.a.	n.a.	n.a.	n.a.
7732-18-5	Oceangro	n.a.	n.a.	n.a.	n.a.
		n.a.	n.a.	n.a.	n.a.
		n.a.	n.a.	n.a.	n.a.



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**12. ECOLOGICAL INFORMATION**

Fertilizers may be harmful to aquatic life with short term effects, causing algal bloom and increased BOD, depending on the amount released.

Persistence & degradability Not applicable  
Bioaccumulation Not expected to bioaccumulate based on composition  
Other adverse effects No information available

**13. DISPOSAL CONSIDERATIONS**

**Disposal of wastes:** This material, as supplied is not a hazardous waste according to federal regulations. This product is a non-hazardous waste material suitable for approved solid waste landfills. No EPA Waste Numbers are applicable for this product's components. Dispose of in accordance with Local, State, and Federal regulators.

**Contaminated packaging:** No US Federal special packaging considerations at the date of this document. Follow local regulations.

**14. TRANSPORT INFORMATION**

**GHS Classification:** Skin Corrosion/Irritation, Category 2 - Warning! Causes skin irritation  
Serious Eye Damage/Eye Irritation, Category 2A - Warning! Causes serious eye irritation  
Acute Toxicity: Oral, Category 4 - Warning! Harmful if swallowed  
Acute Toxicity: Inhalation, Category 4 - Warning! Harmful if inhaled

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not Regulated. Not regulated as a hazardous material.  
**DOT Hazard Class:**  
**UN/NA Number:**

**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** Not Regulated. No information available.

**15. REGULATORY INFORMATION**

TSCA (USA): Complies  
**General Product Information:** This product is not federally regulated as a hazardous material.  
**Clean Air Act:** No information is available.

**SARA 313** Superfund Amendments: This product contains no chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal regulations, Part 372.

SARA 311/312 Hazard Categories  
Acute: No  
Chronic: Yes  
Fire: No  
Sudden release of pressure: No  
Reactive: No

**CERCLA:** This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Comprehensive and Liability Act (CERLA) (40 CFR 302) or the Superfund Amendment s and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, Regional, or state level pertaining to releases of this material.

**Clean Water Act:** This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**State Regulations- General:** This product is not regulated by any State as a hazardous material.



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Revision Date:  
3/31/16

**16. OTHER INFORMATION**

**Company Policy or  
Disclaimer:**

The information provided in this material safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information 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 the text.