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**EMERGENCY TELEPHONE: Chemtrec 800.424.9300**

# Material Safety Data Sheet



## SECTION 1:

### COMPANY IDENTIFICATION

Manufactured by Turf Logistics  
1874 Highway 77 South, Italy, Texas 76651  
Hours: 8:00 am – 5:00 pm (972) 483-6408

### CHEMICAL IDENTIFICATION

Product Name: Cycle™  
Chemical Family: Surfactants  
Chemical Formula: Proprietary

## SECTION 2: HAZARDS IDENTIFICATION

**Emergency Overview:** The health hazards of this product should be low under normal industrial and commercial uses. May cause skin or eye irritation after repeated or prolonged contact.

<b>HFRP Rating</b>	2	Health
	1	Flammability
	0	Reactivity
	C	Personal protection

**Eye:** May cause eye irritation. Not known to cause permanent injury to eye tissue.

**Inhalation:** Not normally a inhalation hazard but may cause come irritation to some.

**Skin:** Skin contact may cause irritation and burning. Avoid prolonged skin contact and wash with plenty of water if skin contact occurs.

**Ingestion:** May cause burning of mouth, throat, and abdomen. Followed by diarrhea, vomiting, nausea.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product Name	CAS Number
Polyoxyalkylene Glycol	9003-11-6
Carboxylic Acids	992-98-3

## SECTION 4: FIRST AID MEASURES

**Eye:** Flush thoroughly with water. If irritation occurs, get medical assistance.

**Inhalation:** Under normal conditions of intended use, this material is not expected to be an inhalation hazard. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Get medical attention if any discomfort continues.

**Skin:** Wash skin thoroughly with soap and water for several minutes. Immediately remove contaminated clothing. Get medical attention if any discomfort continues.

**Ingestion:** Give sips of water if patient is alert and able to swallow. Seek immediate medical attention. Do not induce vomiting or give water to unconscious person.

## SECTION 5: FIRE-FIGHTING MEASURES

### Flammable Properties

**Flash Point:** 235 °C ; Method: Cleveland Open Cup

**Fire Fighting Media:** Use water fog, alcohol-resistant foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

**Fire Fighting Instructions:** Use standard firefighting Procedures and consider the hazards of other involved materials. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**Unusual Fire & Explosion Hazards:** No unusual fire or explosion hazards noted. Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Safety Advice:** Wear appropriate personal protective equipment: impervious gloves, safety goggles, and apron.

**Spill Cleanup Methods:** Dam and absorb spillages with sand, earth or other non-combustible material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labeled container. In case of spills, beware of slippery floors and surfaces. All waste materials should be packaged, labeled and transported in accordance with all national, state/provincial, and local requirements.

## SECTION 7: HANDLING AND STORAGE

**Handling:** No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals. Wash promptly with soap and water if skin becomes contaminated. Practice good housekeeping. Provide adequate ventilation if fumes or vapors are generated. Avoid prolonged contact with skin or eyes.



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## SECTION 7: HANDLING AND STORAGE Cont.

**Handling / Physical Hazards:** Avoid extreme temperatures.

**Storage Precautions:** Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. Keep containers tightly closed.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** No special requirements under ordinary conditions of use and with adequate ventilation.

**Eye protection:** Wear necessary protective equipment. Avoid contact with eyes and skin contact. Chemical goggles are recommended.

**Skin and Body Protection:** Wash promptly with soap and water if skin becomes contaminated. Wear protective gloves to minimize skin contamination. When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.

**Personal protection:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Respiratory Protection:** No protection is ordinarily required under normal conditions of use and with adequate ventilation.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>State of Matter</b>	Liquid
<b>Form</b>	Clear Liquid
<b>Color</b>	lightly colored
<b>Odor</b>	Mild
<b>pH</b>	5.5 to 7
<b>Density</b>	1.04 g/cm <sup>3</sup>
<b>Volatiles</b>	< 1 % @ 100 °C
<b>Solubility</b>	Soluble

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## SECTION 10: STABILITY AND REACTIVITY

**Stability:** This product is stable at ambient conditions.

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**Conditions to Avoid:** No special precautions are necessary beyond normal good hygiene practices. See Section 8 of the MSDS for additional personal protection advice when handling this product.

**Hazardous Polymerization:** Hazardous polymerization will not occur.

**Hazardous decomposition products:** Decomposition will not occur if handled and stored properly.

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## SECTION 11: TOXICOLOGICAL INFORMATION

No data available.

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## SECTION 12: ECOLOGICAL INFORMATION

No data available.

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## SECTION 13: DISPOSAL CONSIDERATIONS

**Disposal Recommendations:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle empty drums at an appropriate facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal. Ensure drums are tightly sealed.

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## SECTION 14: TRANSPORT INFORMATION

Transport classifications may vary by container volume and may be influenced by regional or country variations in regulations.

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## SECTION 15: REGULATORY INFORMATION

### Chemical Inventory

All ingredients are either listed or exempt from listing on TSCA.

**We provide this MSDS as a service to our customers. We believe this information to be presented in good faith. Turf Logistics provides no express or implied warranties as to the accuracy or use of this information.**