

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (as Used on Label and List)
**TURF LINE WINTERIZER 18-0-12
PLUS DISSOLVE WEED KILLER**

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I Mixture

Manufacturer's name TURF LINE FERTILIZER, INC.	Emergency Telephone Number (585) 334-4574
Address (Number, Street, City, State and ZIP Code) 1225 LEHIGH STATION ROAD HENRIETTA, NY 14467	Telephone Number for Information (585) 334-4574
	Date Prepared 03/29/2012
	Signature of Preparer (optional)

Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV
Natural Organic Fertilizer (CAS # not listed)	15 mg/m ³ (total) 5 mg/m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)
Potash (CAS # 7447-40-7)	15 mg/m ³ (total) 5 mg/m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)
Urea (CAS # 57-13-6)	15 mg/m ³ (total) 5 mg/m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)
Micronutrient Mix (CAS # not listed)	15 mg/m ³ (total) 5 mg/m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)
Potassium Magnesium Sulfate (CAS # 14977-37-8)	15 mg/m ³ (total) 5 mg/m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)
Dissolve (CAS # not listed)		
UFLEXX (CAS # not listed)		

Section III—Physical/Chemical Characteristics

Boiling Point	NA	Specific Gravity (H ₂ O = 1)	NA
Vapor Pressure (mm Hg)	NA	Melting Point	NA
Vapor Density (AIR = 1)	NA	Evaporation Rate (Butyl Acetate = 1)	NA
Solubility in Water	Partially soluble		
Appearance and Odor	Multi-colored granular mix, with slight odor		

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used)	Not Flammable	Flammable Limits	NA	LEL	NA	UEL	NA
Extinguishing Media	Use media suitable for surrounding fire						
Special Fire Fighting Procedures	Wear full protective clothing and positive-pressure self-contained breathing apparatus						
Unusual Fire and Explosion Hazards	Decomposition products may be toxic; sulfur will burn when separated from molten urea						

Section V—Reactivity Data

Stability	Unstable		Conditions to Avoid Excessive heat (greater than 200°F)
	Stable X		
Incompatibility (Materials to Avoid) Strong oxidizers, acids, caustics, hypochlorites			
Hazardous Decomposition or Byproducts HCN, NOx, COx, NH ₃ , cyanuric acid, SOx			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur X		

Section VI—Health Hazard Data

Route(s) of Entry	Inhalation?	Skin? X	Ingestion? X
Health Hazards (Acute and Chronic) May be irritating to the nose and respiratory tract, and may cause sore throat, coughing and shortness of breath. Skin irritation may result from repeated or prolonged exposure. May also be irritating to eyes, causing redness and watering. Prolonged eye exposure may cause conjunctivitis and corneal damage. Ingestion may result in abdominal pain, nausea, and diarrhea. Ingestion of large amounts of sulfur may lead to hydrogen sulfide poisoning due to bacterial conversion of sulfur in the colon.			
Carcinogenicity None known	NTP? No	IARC Monographs? No	OSHA Regulated? No
Signs and Symptoms of Exposure The active ingredient in this product did not cause cancer.			
Medical Conditions			
Generally Aggravated by Exposure Pre-existing respiratory, skin or eye conditions			
Emergency and First Aid Procedures			

IF SWALLOWED: If victim is alert and no convulsing, give one glass of water to dilute material, but DO NOT induce vomiting. Seek medical attention.

IF INHALED: Move victim to fresh air. Seek medical attention if condition persists.

IF IN THE EYES: Immediately flush eyes with water for 20 minutes. Seek medical attention if irritation persists.

IF ON SKIN: Shower/ wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled		This product is toxic to fish. Do not apply directly to water and wetlands. Do not contaminate water when disposing.	
Waste Disposal Method		Do not contaminate water, food or feed by storage or disposal. Dispose of material in accordance with all governmental regulations.	
Precautions to Be Taken in Handling and Storing		Store in dry area. Keep away from children, pets or foodstuffs.	
Other Precautions Wash completely after use.			
Section VIII—Control Measures			
Respiratory Protection (Specify Type)		NIOSH approved pesticide respirator, if needed	
Ventilation	Local Exhaust	Recommended	Special Applicators should stand upwind when handling
	Mechanical (General)	NA	Other
Protective Gloves	Rubber gloves recommended		Eye Protection Safety glasses with side shields, goggles or faceshield are recommended
Other Protective Clothing or Equipment NA			
Work/Hygienic Practices Wash clothing after use			

Section IX: Additional Information

ACTIVE INGREDIENT LEVEL (%): 0.560 as 2,4-D salt
0.145 as MCPP salt
0.143 as 2,4-DP salt

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