

Material Safety Data Sheet
J. R. Simplot Company
AgriBusiness

M74355

Trade Name: Mini Turf 16-8-8 with 0.4% Barricade®
Registration No: 7001-385

SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufactured For:	J.R. Simplot Company P.O. Box 70013 Boise, ID 83707	Product Name: Mini Turf 16-8-8 with 0.4% Barricade® Common Name: 16-8-8 Chemical Type: Inorganic Chemical Fertilizer with Pesticide
Emergency Phone - Chemtrec:	1-800-424-9300	

SECTION 2 COMPOSITION INFORMATION

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT%	TLV	PEL
Prodiamine	29091-21-2	Not listed	Hazardous 0.4%	Not Indicated	Not Indicated
This is a homogeneous granular product containing:			Non-Hazardous 99.6%	10 mg/m ³ Nuisance Dust	15 mg/m ³ Nuisance Dust
Ammonium Sulfate	7783-20-2	(NH ₄) ₂ SO ₄			
Monoammonium Phosphate	7722-76-1	NH ₄ H ₂ PO ₄			
Potassium Chloride	7447-40-7	KCl			
Iron Oxyulfate	not listed	not listed			

SECTION 3 HAZARDS IDENTIFICATION

Ingestion: May cause aggravation to respiratory tract.
Inhalation: Avoid breathing dusts. May cause nose, throat and lung aggravation.
Eye Contact: May cause aggravation.
Skin Contact: May cause aggravation.
Other health warnings: Call a physician if any aggravation persists. Wash hands after use, and wash all contaminated clothing before reuse.

SECTION 4 FIRST AID MEASURES

Ingestion: Immediately seek medical assistance. Call a physician. (National Poison Control Center 202-625-3333). Drink 1 to 2 glasses of water. Induce vomiting by touching the back of throat with finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person.
Inhalation: Remove to fresh air. If breathing difficulty occurs, get immediate medical attention.
Eyes: Immediately flush with plenty of water for 15 minutes, holding lids open. Get medical attention if discomfort persists.
Skin: Wash all exposed areas with plenty of soap and water and rinse thoroughly.
Note to Physician: Treat symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Water spray, foam, dry chemical, CO₂, sand, or fine earth.
Special Fire Fighting Procedures: Wear full protective clothing and self-contained breathing apparatus. Short term exposure to smoke, fumes, and gases can lead to irreversible lung injury without early signs and symptoms. Use extinguishing media suitable for the surrounding fire.
Unusual Fire and Explosion Hazards: Burning product may produce noxious, toxic fumes. Run-off from fire control area or dilution water may cause pollution. If surface water is contaminated, contact local authorities.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled:
Do not touch spilled product. Wear protective clothing, chemical-resistant gloves, shoes and safety glasses or goggles. Use approved respirator if exposure levels are high. If materials are uncontaminated, collect in resealable containers, label containers and reuse as directed on label. Do not reuse bag.

SECTION 7 HANDLING AND STORAGE

Precautions to be taken in handling and storing:
Store in original container in a locked storage area inaccessible to children or pets. Store separately from food, feed, fertilizer, seeds, and other pesticides so that cross contamination does not occur.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Protection: None required with normal use of product.
Respiratory Protection: None required with normal use of product.
Protective Clothing: Wear long-sleeved shirt and pants; shoes and socks, and impervious gloves.
Eye Protection: Safety glasses with side shields, or goggles are recommended.
Other: Washing facilities should be available.

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SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	Not applicable	pH:	Not listed.
Density:	68-70 lb/ft ³	% Volatiles (by volume):	Not listed
Flashpoint:	Non-flammable	Vapor Pressure, mm Hg:	Not applicable
Extinguishing Media:	Use media suitable for extinguishing source of fire.	Reaction with Water:	Not listed.
Solubility in Water:	Fertilizer chemicals are water soluble. Herbicide compound and polyurethane coating are water insoluble.		
Appearance:	Beige, brown, white and green fertilizer granules. Slight aromatic and fertilizer salt odor.		

SECTION 10

STABILITY AND REACTIVITY

Stability (Normal Conditions):	Stable
Conditions to Avoid:	None listed.
Incompatibility (Material to Avoid):	Store separately from acids and bases.
Hazardous Decomposition Products:	Thermal degradation may produce: cyanuric acid, ammonia, biuret, hydrogen cyanide, hydrogen fluoride, carbon monoxide, chlorine gas, sulfur oxides, and nitrogen oxides.
Hazardous Polymerization:	Will not occur.

SECTION 11

TOXICOLOGY INFORMATION

	<u>Oral LD50 (rat)</u>	<u>Dermal LD50 (rat)</u>	<u>Aquatic Fish 96-hour</u>	<u>Aquatic (other)</u>
Monoammonium Phosphate	> 2,000 mg/kg	> 5,000 mg/kg	> 86 mg/L (rainbow trout)	none listed
Ammonium Sulfate	640-4,250 mg/kg	> 2,000 mg/kg	> 13.6-159.8 mg total NH ₃ /L	> 27.0 mg/total NH ₃ /L (daphnia)
Potassium Chloride	1,500-2,600 mg/kg	none listed	2,010 mg/L	none listed

All toxicity data from TFI Product Testing Results.

SECTION 12

ECOLOGICAL INFORMATION

None listed.

SECTION 13

DISPOSAL CONSIDERATIONS

Waste Disposal Procedures: If uncontaminated, use as directed on label. If contaminated, dispose of in accordance with all federal, state and local laws. Pesticide wastes are toxic. Do not contaminate water supplies. Pesticide wastes are toxic. Improper disposal of excess pesticide is a violation of federal law.

SECTION 14

TRANSPORT INFORMATION

Shipping name:	Not regulated by DOT	C.A.S. Number:	See "Ingredients"
Hazard Class:	None	D.O.T. Number:	None
Reportable Quantity (RQ):	None	Haz Waste No:	None
Labels Required:	None	EPA Regist No:	7001-385
Placard:	None		

SECTION 15

REGULATORY INFORMATION

Carcinogenicity: by IARC?: Yes () No (X) by NTP?: Yes () No (X)

Not on the SARA 302 list of reportable quantities.

SECTION 16

OTHER INFORMATION

Flash Point (Test Method):	Not applicable	Flammable Limits	LOWER	UPPER
Autoignition Temperature:	Not applicable	(% BY VOLUME)	N/A	N/A

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MSDS Version Number: 4

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