

Material Safety Data Sheet

J. R. Simplot Company

AgriBusiness

Trade Name: SP Bentgrass with UMAXX
Registration No: None

SECTION 1

CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer or Formulator: J.R. Simplot Company
P.O. Box27
Boise, ID 83702
Emergency Phone - Chemtrec: 1-800-424-9300

Product Name: SP Bentgrass with UMAXX
Common Name: 28-8-18 with UMAXX
Chemical Type: Inorganic Chemical Fertilizer

SECTION 2

HAZARDS IDENTIFICATION

Ingestion: Minimal hazard under normal conditions and use. Ingestion of large quantities may cause gastrointestinal discomfort, vomiting, weakness or other medically related problems.

Inhalation: Dusty conditions may cause mechanical aggravation to respiratory mucous membranes.

Eye Contact: Dust from this product may cause particulate discomfort to eyes.

Skin Contact: Slight dermal abrasion is possible with prolonged contact, especially around cuffs and collars.

Effects of Overdose: Acute exposure can cause aggravation of skin, eyes and respiratory system. Chronic exposure can cause damage to respiratory system, urinary system, blood system and reproductive system.

SECTION 3

COMPOSITION INFORMATION

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT%	TLV	PEL
Potassium Nitrate	7757-79-1		Hazardous N/A Non-Hazardous	Not listed	Not listed
This product is a blend of the following non-hazardous ingredients:					Not available
Umaxx™					
N-(n-butyl)-thiophosphonic triamide	94317-64-3			N/A	
Urea	57-13-6			15.00 mg/m ³ C(NH ₂) ₃	
Organic Nitrogen (dicyandimide)	461-58-5				
Monoammonium Phosphate	7722-76-1			N/A	
Urea	57-13-6			15.00 mg C(NH ₂) ₃	
Potassium Sulfate	7778-80-5			N/A	
Sodium Borate	11130-12-4			10.00 mg B ₂ O ₃ /m ³	
Cupric EDTA	14025-15-1			N/A	
Sodium Ferric EDTA	15708-41-5			N/A	
Manganese EDTA	55448-20-9			5.00 mg Mn/m ³	
Sodium Molybdate	7631-95-0			5.00 mg Mo/m ³ Blue	
Zinc EDTA	15954-98-0			N/A	

SECTION 4

FIRST AID MEASURES

Ingestion: If large amount is ingested, give 2-3 glasses of water and induce vomiting. Seek medical attention.

Inhalation: Remove to fresh air. Seek medical attention if condition persists.

Eyes: Flush eyes with running water for at least 15 minutes. Seek medical attention if condition persists.

Skin: Wash with soap and water. Seek medical attention if condition persists.

Notes to Physician: Consult standard literature. Treatment based on the sound judgment of the physician and the individual reactions of the patient.

SECTION 5

FIRE FIGHTING MEASURES

Extinguishing Media: Product is not combustible.

Special Fire Fighting Procedures: Use approved self-contained breathing apparatus. Remove all sources of ignition.

Unusual Fire and Explosion Hazards: Metallic fume and ammonia fume can be released under intense heat. This product contains an oxidizer and may increase the intensity of a fire. Do not wash material into any streams, waterways, drainage ditches or storm sewers, etc. Impound liquids used in firefighting to prevent entry into streams, ditches, sewers, etc.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Environmental Precautions: Keep out of water supplies, lakes, ponds, streams and rivers. This product is a fertilizer and may promote algae growth.

Steps to be taken in case material is released or spilled:
Keep from entering waterways. Sweep up material and place in suitable container for use as a fertilizer or for disposal.

SECTION 7

HANDLING AND STORAGE

Precautions to be taken in handling and storing:
Store in a cool, dry area. Prevent spillage and separate from strong oxidizers. Use normal safety procedures and good personal hygiene. Keep out of the reach of children.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Protection: Adequate ventilation.

Respiratory Protection: Approved dust respirator when necessary.

Protective Clothing: Normal clean work clothing.

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Eye Protection: In dusty conditions, safety glasses with side shields or goggles may be necessary.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	Not applicable	Solubility in Water:	Not available
Density:	Not available	% Volatiles (by volume):	Not applicable
Flashpoint:	Non-flammable	Vapor Pressure, mm Hg:	Not applicable
pH:	Not listed	Reaction with Water:	None
Appearance:	Not listed		
Extinguishing Media:	Use media suitable to extinguish source of fire.		

SECTION 10 STABILITY AND REACTIVITY

Stability (Normal Conditions): Stable
Conditions to Avoid: Extremely high temperatures.
Incompatibility (Material to Avoid): Strong oxidizing agents. Prolonged contact may cause oxidation of unprotected metals.
Hazardous Decomposition Products: During extremely high temperature fire conditions, the product may reach melting point and decompose to release NH₃, SO_x, PO_x or CN.
Possibility of Hazardous Reactions: 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
Potassium Nitrate	(rabbit) 1,900-3,750 mg/kg	> 5,000 mg/kg	1,378-3,000 mg/L	none listed
Potassium Sulfate	6,600 mg/kg	none listed	680-3,550 mg/L	720-890 mg/L (daphnia)
Urea	14,300 mg/kg	none listed	> 9,100 mg/L	> 10,000 mg/L (daphnia)

All toxicity data from TFI Product Testing Results.

SECTION 12 ECOLOGICAL INFORMATION

Not listed

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal Procedures: Pick up with a shovel and broom and use as a fertilizer by applying to soil using good agricultural practices and soil management.

SECTION 14 TRANSPORT INFORMATION

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

SECTION 15 REGULATORY INFORMATION

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

Not on the 302 list of SARA reportable quantities.

SECTION 16 OTHER INFORMATION

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

MSDS Version Number: 1

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