

Material Safety Data Sheet

J. R. Simplot Company

AgriBusiness

Trade Name: SSN 25-3-10 Mini w/ 50% MU
 Registration No: None

M77613

SECTION 1

CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer or Formulator:	J.R. Simplot Company P.O. Box 70013 Boise, ID 83707	Product Name:	SSN 25-3-10 Mini w/ 50% MU
Emergency Phone - Chemtrec:	1-800-424-9300	Common Name:	SSN 25-3-10 Mini w/ 50% MU
		Chemical Type:	Inorganic Chemical Fertilizer

SECTION 2

COMPOSITION INFORMATION

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	TLV	PEL
NONE					
This product is a blend of the following non-hazardous ingredients			100%		
SSN Urea 46-0-0 with Nutrisphere-N[®]			17.5%	10 mg/m ³ Nuisance Dust	15 mg/m ³ Nuisance Dust
Urea	57-13-6	CO(NH ₂) ₂			
Maleic-itaconic copolymer	877469-38-0				
Water	N/A	H ₂ O			
Calcium Salt	N/A				
MU			31.25%		
Methylene Urea	9011-05-6	Not listed			
Other Urea Ingredients		Not listed			
Pro Prills[®] 12-8-16			37.5%		
Ammonium Sulfate	7783-20-2	(NH ₄) ₂ SO ₄			
Mono-ammonium Phosphate	7722-76-1	NH ₄ H ₂ PO ₄			
Potassium Sulfate	7778-80-5	K ₂ SO ₄			
Manganese Sulfate	7785-87-7			0.2 mg/m ³ as Mn	
Manganese Oxide (10-30% by weight Mn)	1375-35-7			0.2 mg/m ³ as Mn	
Iron Oxysulfate					
Wax					
Sulfate of Potash	7778-80-5	K ₂ SO ₄	8.0%		
Iron 50%	7439-89-6	Fe	5.75%		

SECTION 3

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: Prolonged contact may cause aggravation of respiratory tract.

Eye Contact: Prolonged contact may cause aggravation of eyes.

Skin Absorption: Not normally absorbed through the skin.

Skin Contact: Prolonged contact may cause abrasion to skin

Effects of Overdose: Ingestion of large amounts may cause dizziness, abdominal cramps, vomiting, and diarrhea, discomfort to skin and eyes.

SECTION 4

FIRST AID MEASURES

Ingestion: If patient is conscious, give 2 to 4 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Consult a physician..

Inhalation: Remove to fresh air. Seek medical attention if discomfort continues.

Eyes: Flush with water for 15 minutes. Seek medical attention if irritation 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: CO₂, dry chemical, water fog or foam.

Special Fire Fighting Procedures: Product is not combustible.

Unusual Fire and Explosion Hazards: If heated to decomposition, may give off toxic fumes of cyanic acid, ammonia and carbon dioxide.

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: If material is not contaminated, scoop into clean container for use. If contaminated, scoop into containers for disposal. Any remaining material may be removed by flushing with water. Ensure that the disposal is in compliance with federal or local disposal regulations.

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SECTION 7

HANDLING AND STORAGE

Precautions to be taken in handling and storing: Store in a cool, dry place. DO NOT store where temperatures will exceed 270°F. Do not eat, drink, or smoke while handling this product. Wash hands thoroughly before eating, drinking, or smoking.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Protection: Adequate to remove dust from the air
Respiratory Protection: Ensure good ventilation. If not adequate, wear a suitable dust mask.
Protective Clothing: Normal clean work clothing - shirt with long sleeves and long pants.
Eye Protection: Goggles
Other: Rubber gloves

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	Not available	Solubility in Water:	Complete
Specific Gravity:	Not available	% Volatiles (by volume):	Not applicable
Flashpoint:	Non-flammable	Vapor Pressure, mm Hg:	Not available
pH:	Not available	Reaction with Water:	None
Appearance:	Brown Powder	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: Urea and urea/aldehydes condensation products can generate ammonia in a fire. Oxides of nitrogen, carbon, sulfur and potassium may be produced. During extremely high temperature fire conditions, the product may reach melting point and decompose to release NH₃, SO_x, PO_x or CN.
Hazardous Polymerization: Will not occur

SECTION 11

TOXICOLOGY

	Oral LD50 (rat)	Dermal LD50 (rat)	Aquatic Fish 96	Aquatic (other)
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 Sulfate	6,600 mg/kg	none listed	680-3,550 mg/L	720-890 mg/L (daphnia)
Manganese Oxysulfate	2150 mg/kg	none listed	none listed	none listed

All toxicity data from TFI Product Testing Results.

ECOLOGICAL INFORMATION

None 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 and soil management. Disposal of material should be in accordance with applicable local, state and federal environmental regulatory requirements.

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:	None
Placard:	None		

SECTION 15

REGULATORY INFORMATION

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

This product contains manganese compounds which may be subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.45.

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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