

# Material Safety Data Sheet

## J. R. Simplot Company

### AgriBusiness

M11027

Trade Name: Umaxx™  
Registration No: None

#### SECTION 1

#### CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufactured For: J.R. Simplot Company  
P.O. Box 70013  
Boise, ID 83707  
Emergency Phone - Chemtrec: 1-800-424-9300

Product Name: Umaxx™  
Common Name: Umaxx™  
Chemical Type: Fertilizer

#### SECTION 2

#### COMPOSITION INFORMATION

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	TLV	PEL
None listed			<b>Non-Hazardous</b>		
N-(n-butyl)-thiophosphonic triamide	94317-64-3	not listed	proprietary	None	None
Urea	57-13-6	(NH <sub>2</sub> ) <sub>2</sub> CO	>95%	10 mg/m <sup>3</sup> Nuisance Dust	None
Organic nitrogen (dicyandiamide)	461-58-5	C <sub>2</sub> H <sub>4</sub> N <sub>4</sub>	proprietary	None	None
Other trace impurities and solvents	mixture	NA	>1%	None	None

#### SECTION 3

#### HAZARDS IDENTIFICATION

**Ingestion:** High dust concentrations may cause discomfort resulting in scratchiness. Other possible effects include headache, nausea, vomiting, disorientation.

**Inhalation:** May cause nausea, vomiting, and electrolyte depletion.

**Eye Contact:** Dust may be aggravating to eyes at high concentrations.

**Skin Contact:** Dust may be aggravating to skin at high concentrations.

**Effects of Overdose:** None listed.

#### SECTION 4

#### FIRST AID MEASURES

**Ingestion:** If swallowed, drink 1 to 2 glasses of water. Immediately call a physician or a Poison Control Center and follow their advice. Do not induce vomiting or give anything by mouth to an unconscious person.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**Eyes:** In cases of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if discomfort continues.

**Skin:** If discomfort occurs, wash thoroughly with soap and water immediately. Get medical attention if discomfort persists.

#### SECTION 5

#### FIRE FIGHTING MEASURES

**Extinguishing Media:** Use carbon dioxide or dry chemical for small fires; alcohol foam for large fires.

**Special Fire Fighting Procedures:** Evacuate personnel to a safe area. Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus and full protective equipment.

**Unusual Fire and Explosion Hazards:** None listed.

#### SECTION 6

#### ACCIDENTAL RELEASE MEASURES

**Steps to be taken in case material is released or spilled:**  
Spilled materials, wet or dry, can cause slippery conditions. Sweep or shovel materials into containers for recovery. Scrub contaminated area with detergent and water. Prevent clean-up liquid from entering sewers, waterways or low areas. Soak up with sand or other absorbent material.

#### SECTION 7

#### HANDLING AND STORAGE

**Precautions to be taken in handling and storing:**  
Long term storage at temperatures above 100°F (36°C) can result in significant decomposition of the N-(n-butyl) thiophosphonic triamide. Do not store or consume food, drink, or tobacco in areas where they may become contaminated with this material. Wear protective clothing and equipment such as safety glasses and rubber gloves. Clean protective clothing as needed.

#### SECTION 8

#### EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ventilation Protection:** Use only with adequate ventilation. Keep container tightly closed. Do not consume food, drink, or tobacco in the areas where they may become contaminated with this material. Exposure limits should not exceed 10 mg/m<sup>3</sup> (nuisance dust).

**Respiratory Protection:** Use with adequate ventilation. Respiratory protection not required under normal use.

**Protective Clothing:** Use rubber gloves, if skin aggravation is observed.

**Eye Protection:** Wear safety glasses or goggles when appropriate to prevent contact with eyes.

**Other:** Washing facilities should be available. Use long-sleeves or other clothing to avoid excessive contact.

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**SECTION 9**

**PHYSICAL AND CHEMICAL PROPERTIES**

<b>Boiling Point:</b>	Decomposes at 275°F	<b>Solubility in Water:</b>	Soluble
<b>Specific Gravity:</b>	1.32	<b>% Volatiles (by volume):</b>	Not listed
<b>Flashpoint:</b>	Non-flammable	<b>Vapor Pressure, mm Hg:</b>	Not applicable
<b>pH:</b>	7.2 (10%)	<b>Reaction with Water:</b>	Not listed.
<b>Appearance:</b>	Blue-green granules; slight sulfur odor.		
<b>Extinguishing Media:</b>	Use media suitable for extinguishing source of fire.		

**SECTION 10**

**STABILITY AND REACTIVITY**

<b>Stability (Normal Conditions):</b>	Stable at normal temperatures
<b>Conditions to Avoid:</b>	None listed.
<b>Incompatibility (Material to Avoid):</b>	Incompatible with acids, strong oxidizing agents, reducing agents.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition will produce oxides of carbon, nitrogen, and sulfur.
<b>Hazardous Polymerization:</b>	Will not occur.

**SECTION 11**

**TOXICOLOGY INFORMATION**

<b>Acute Oral Toxicity:</b>	LD <sub>50</sub> (rat) is 14,300 mg/kg (ppm); not acutely toxic by oral exposure. (TFI Product Testing Results)
<b>Acute Aquatic Toxicity:</b>	Fish 96-hour LC <sub>50</sub> is greater than 9,100 mg/L (ppm); daphnia 24-hour EC <sub>50</sub> : greater than 10,000 mg/L. Non-toxic to aquatic organisms. (TFI Product Testing Results).

**SECTION 12**

**ECOLOGICAL INFORMATION**

This product has not been tested; however both urea and NBPT have a very low toxicity to aquatic organisms.

**SECTION 13**

**DISPOSAL CONSIDERATIONS**

<b>Waste Disposal Procedures:</b>	Treatment, storage, transportation and disposal must be in accordance with applicable federal, state and local regulations. Do not flush to surface water or sanitary sewer system.
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**SECTION 14**

**TRANSPORT INFORMATION**

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

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

**MSDS Version Number: 2** (revision to Section 2)

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