

Material Safety Data Sheet

J. R. Simplot Company

AgriBusiness

M11028

Trade Name: Uflexx™
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: Uflexx™
Common Name: Uflexx™
Chemical Type: Fertilizer

SECTION 2

COMPOSITION INFORMATION

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	TLV	PEL
None listed					
			Non-Hazardous		
N-(n-butyl)-thiophosphonic triamide	94317-64-3	not listed	proprietary	None	None
Urea	57-13-6	(NH ₂) ₂ CO	>95%	None	None
Organic nitrogen (dicyandiamide)	461-58-5	C ₂ H ₄ N ₄	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, and 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/m³ (nuisance dust).

Respiratory Protection: Respiratory protection not required under normal use. If needed, use NIOSH/MSHA approved dust masks.

Protective Clothing: Use rubber gloves and/or long sleeved clothing, if skin aggravation is observed.

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

Other: Washing facilities should be available nearby.

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SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	Decomposes at 275°F	Solubility in Water:	Soluble
Specific Gravity:	1.32	% Volatiles (by volume):	Not applicable
Flashpoint:	Non-flammable	Vapor Pressure, mm Hg:	Not applicable
pH:	7.2 (10%)	Reaction with Water:	Not listed.
Appearance:	Blue-green granules; slight sulfur odor.		
Extinguishing Media:	CO ₂ or dry chemical for small fires; alcohol foam for large fires.		

SECTION 10

STABILITY AND REACTIVITY

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

SECTION 11

TOXICOLOGY INFORMATION

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

Waste Disposal Procedures:	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

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)

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

MSDS Version Number: 2 (revision to Sections 2, 8, & 9)

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