

**Material Safety Data Sheet**  
**J. R. Simplot Company**  
**AgriBusiness**

Trade Name: Trikote 42-0-0  
Registration No: None

M11023

**SECTION 1**

**CHEMICAL PRODUCT AND COMPANY INFORMATION**

Manufacturer or Formulator: J.R. Simplot Company  
P.O. Box 912  
Pocatello, ID 83204  
Emergency Phone - Chemtrec: 1-800-424-9300

Product Name: Trikote 42-0-0  
Common Name: 42-0-0  
Chemical Type: Inorganic Chemical 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>		
Urea	57-13-6	NH <sub>2</sub> CONH <sub>2</sub>	72	Not listed	Not available
Sulfur	7704-34-9	S	25	2 mg/M <sup>3</sup>	Not available
Paraffin Wax	8002-74-2	--	3	Not listed	Not listed

**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. Sulfur is not considered toxic by ingestion in normal amounts.  
**Inhalation:** Dusty conditions may cause mechanical aggravation to respiratory mucous membranes.  
**Eye Contact:** Sulfur dust from this product may cause particulate discomfort to eyes.  
**Skin Absorption:** Not normally absorbed through the skin.  
**Skin Contact:** Slight dermal abrasion is possible with prolonged contact, especially around cuffs and collars.  
**Effects of Overdose:** Ingestion of large doses may cause diarrhea, nausea, abdominal cramps or formation of methemoglobinemia. Seek medical attention.

**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:** Use media suitable to extinguish source of fire.  
**Special Fire Fighting Procedures:** Product is not combustible.  
**Unusual Fire and Explosion Hazards:** During extremely high temperature fire conditions, the product may reach melting point and decompose to release NH<sub>3</sub>, SO<sub>x</sub>, PO<sub>x</sub> or CN.

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

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**SECTION 9**

**PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point:	Not applicable	Solubility in Water:	Urea: 67 gm/100 gm H <sub>2</sub> O
Specific Gravity:	1.340	% Volatiles (by volume):	Not applicable
Flashpoint:	Approx. 450°F (Sulfur)	Vapor Pressure, mm Hg:	Not applicable
pH:	Not listed	Reaction with Water:	None
Appearance:	Small yellow solid spheres; slight sulfur odor.		
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 NH <sub>3</sub> , SO <sub>x</sub> , PO <sub>x</sub> or CN.
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Not applicable

**SECTION 11**

**TOXICOLOGY INFORMATION**

Ingestion: Acute Oral Toxicity (domestic animal) LD<sub>50</sub>: 511 mg/kg for Urea.

**SECTION 12**

**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.

**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 302 list of SARA reportable quantities.

**SECTION 16**

**OTHER INFORMATION**

Flash Point (Test Method):	405°F	Flammable Limits	LOWER	UPPER
Autoignition Temperature:	Not applicable	(% BY VOLUME)	N/A	N/A

MSDS Version Number: 2 (revisions to Section 15)

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Reviewed by: The Department of Regulatory Affairs  
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