

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

Trade Name: Gal-Xe 0-0-56  
Registration No: None

**M74432**

**SECTION 1**

**CHEMICAL PRODUCT AND COMPANY INFORMATION**

<b>Manufacturer or Formulator:</b>	J.R. Simplot Company P.O. Box 70013 Boise, ID 83707	<b>Product Name:</b>	Gal-Xe 0-0-56
		<b>Common Name:</b>	Gal-Xe 0-0-56
		<b>Chemical Type:</b>	Florikote Controlled Release Potash
<b>Emergency Phone - Chemtrec:</b>	1-800-424-9300		

**SECTION 2**

**COMPOSITION INFORMATION**

<b>Chemical Name and Synonyms</b>	<b>C.A.S. No.</b>	<b>Chemical Formula</b>	<b>% Composition</b>	<b>TLV</b>	<b>PEL</b>
This product is a blend of the following ingredients					
Potassium chloride	7447-40-7		82.65-95.808		
Poly(oxypropylene) triol	25791-96-2		2.1-5.6		
Polymethylene polyphenylene isocyanate	9016-87-9		< 3.685		
Sodium chloride	7647-14-5		0.09-3.84		
Methylene bisphenol isocyanate (MDI)	101-68-8		0.99-2.55		
Kaolin	1332-58-7		0-2		
Canola oil	120962-03-0		0-1		
1,1'-Methylenebis (isocyanato-) benzene	26447-40-5		< .67		

**SECTION 3**

**HAZARDS IDENTIFICATION**

**Ingestion:** Not considered a route of exposure under anticipated use conditions. May cause severe irritation to the digestive tract if ingested.  
**Inhalation:** May cause irritation to respiratory mucous membranes.  
**Eye Contact:** This product may cause particulate discomfort to eyes.  
**Skin Contact:** Slight dermal irritation is possible with prolonged contact, especially around cuffs and collars.  
**Effects of Overdose:** Not determined.

**SECTION 4**

**FIRST AID MEASURES**

**Ingestion:** Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Seek medical attention.  
**Inhalation:** Remove to fresh air. Seek medical attention if condition persists.  
**Eyes:** Immediately flush eyes with running water for at least 15 minutes. Seek medical attention if condition persists.  
**Skin:** Flood affected area with water for extended period then wash with vinegar. 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:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.  
**Unusual Fire and Explosion Hazards:** None.

**SECTION 6**

**ACCIDENTAL RELEASE MEASURES**

**Environmental Precautions:** Keep out of water supplies, lakes, ponds, streams and rivers.  
**Steps to be taken in case material is released or spilled:** Vacuum or sweep up material and place in a suitable container for reclamation or disposal. Do not discharge into drains or sewers. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

**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:** General mechanical ventilation is adequate for normal use. Local exhaust is recommended for confined areas.  
**Respiratory Protection:** Approved dust respirator when necessary.  
**Protective Clothing:** Use gloves to protect hands.  
**Eye Protection:** In dusty conditions, safety glasses with side shields or goggles may be necessary.

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Component	ACGIH	NIOSH	OSHA-PELs
Potassium chloride	ND	ND	ND
Poly(oxypropylene) triol	ND	ND	ND
Polymethylene polyphenylene isocyanate	ND	ND	ND
Sodium chloride	ND	ND	ND
Methylene bisphenol isocyanate (MDI)	0.005 ppm TWA	0.005 ppm TWA; 0.05 mg/m3 TWA 0.020 ppm Ceiling (10 min); 0.2 mg/m3 Ceiling (10 min)	0.02 ppm Ceiling; 0.2 mg/m3 Ceiling
Kaolin	2 mg/m3 TWA (respirable fraction, particulate matter containing no asbestos and <1% crystalline silica)	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
Canola oil	ND	ND	ND
1,1'-Methylenebis (isocyanato-) benzene	ND	ND	ND

## SECTION 9

## PHYSICAL AND CHEMICAL PROPERTIES

<b>Boiling Point:</b>	Not applicable	<b>Solubility in Water:</b>	Soluble
<b>Specific Gravity:</b>	>1	<b>% Volatiles (by volume):</b>	Not applicable
<b>Flashpoint:</b>	Non-flammable	<b>Vapor Pressure, mm Hg:</b>	Not applicable
<b>pH:</b>	Not listed	<b>Reaction with Water:</b>	None
<b>Appearance:</b>	Granular solid with slight odor.	<b>Extinguishing Media:</b>	Use media suitable to extinguish source of fire.

## SECTION 10

## STABILITY AND REACTIVITY

<b>Stability (Normal Conditions):</b>	Stable
<b>Conditions to Avoid:</b>	None.
<b>Incompatibility (Material to Avoid):</b>	None.
<b>Hazardous Decomposition Products:</b>	None.
<b>Hazardous Polymerization:</b>	Will not occur

## SECTION 11

## TOXICOLOGY

### Acute Effects

#### Potassium chloride (7447-40-7)

Oral LD50 Rat 2600 mg/kg

#### Poly(oxypropylene) triol (25791-96-2)

Oral LD50 Rat: >64 mL/kg; Dermal LD50 Rabbit:>20 mL/kg

#### Polymethylene polyphenylene isocyanate (9016-87-9)

Inhalation LC50 Rat: 490 mg/m3/4H; Oral LD50 Rat:49 g/kg; Dermal LD50 Rabbit:>9400 mg/kg

#### Sodium chloride (7647-14-5)

Inhalation LC50 Rat >42 g/m3 1 h; Oral LD50 Rat 3 g/kg; Dermal LD50 Rabbit >10 g/kg

#### Methylene bisphenol isocyanate (MDI) (101-68-8)

Oral LD50 Rat: 9200 mg/kg

#### 1,1'-Methylenebis (isocyanato-) benzene (26447-40-5)

Inhalation LC50 Rat: 0.369 mg/L/4H; Oral LD50 Rat:>7400 mg/kg; Dermal LD50 Rabbit:>6200 mg/kg

### Chronic Effects

Carcinogenicity: **Polymethylene polyphenylene isocyanate (9016-87-9)**

IARC: Supplement 7 [1987]; Monograph 19 [1979] (Group 3 (not classifiable))

#### Methylene bisphenol isocyanate (MDI) (101-68-8)

IARC: Monograph 71 [1999]; Supplement 7 [1987]; Monograph 19 [1979] (Group 3 (not classifiable))

#### Kaolin (1332-58-7)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

#### 1,1'-Methylenebis (isocyanato-) benzene (26447-40-5)

IARC: Monograph 71 [1999]; Supplement 7 [1987]; Monograph 19 [1979] (Group 3 (not classifiable))

Mutagenicity: No data

Reproductive Effects: No data

Developmental Effects: No data

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**SECTION 12**

**ECOLOGICAL INFORMATION**

**Environmental Fate:**

No information found.

**Environmental Toxicity**

**Potassium chloride (7447-40-7)**

**Test & Species**

	<b>Conditions</b>
96 Hr LC50 Lepomis macrochirus	1060 mg/L [static]
96 Hr LC50 Pimephales promelas	750-1020 mg/L [static]
72 Hr EC50 Desmodesmus subspicatus	2500 mg/L
48 Hr EC50 Daphnia magna	825 mg/L
48 Hr EC50 Daphnia magna	83 mg/L [Static]

**Sodium chloride (7647-14-5)**

**Test & Species**

	<b>Conditions</b>
96 Hr LC50 Lepomis macrochirus	5560-6080 mg/L [flow-through]
96 Hr LC50 Lepomis macrochirus	12946 mg/L [static]
96 Hr LC50 Pimephales promelas	6020-7070 mg/L [static]
96 Hr LC50 Pimephales promelas	7050 mg/L [semi-static]
96 Hr LC50 Pimephales promelas	6420-6700 mg/L [static]
96 Hr LC50 Oncorhynchus mykiss	4747-7824 mg/L [flow-through]
48 Hr EC50 Daphnia magna	1000 mg/L
48 Hr EC50 Daphnia magna	340.7 - 469.2 mg/L [Static]

**1,1'-Methylenebis (isocyanato-) benzene (26447-40-5)**

**Test & Species**

	<b>Conditions</b>
96 Hr EC50 Skeletonema costatum	3230 mg/L

**SECTION 13**

**DISPOSAL CONSIDERATIONS**

**Waste Disposal Procedures:**

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

**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 302 list of SARA reportable quantities

**SECTION 16**

**OTHER INFORMATION**

<b>Flash Point (Test Method):</b>	Non-flammable	<b>Flammable Limits</b>	<b>LOWER</b>	<b>UPPER</b>
<b>Autoignition Temperature:</b>	Not applicable	(% BY VOLUME)	N/A	N/A
<b>N.F.P.A. Rating:</b>	<b>Health:</b> 1	<b>Fire:</b> 1	<b>Reactivity:</b> 0	<b>Other/Special:</b> none

This N.F.P.A. rating is a recommendation by the manufacturer using the guidelines or published evaluations prepared by the National Fire Protection Association.

MSDS Version Number: 1

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