

# Material Safety Data Sheet

## J. R. Simplot Company

### AgriBusiness

Trade Name: Apex 12-0-42 Potassium Nitrate with GAL-Xe ONE Technology  
Registration No: None

M74448

#### SECTION 1

#### CHEMICAL PRODUCT AND COMPANY INFORMATION

**Manufacturer or Formulator:** J.R. Simplot Company  
P.O. Box 70013  
Boise, ID 83707  
**Emergency Phone - Chemtrec:** 1-800-424-9300

**Product Name:** Apex 12-0-42 Potassium Nitrate with GAL-Xe ONE Technology  
**Common Name:** Apex 12-0-42 Potassium Nitrate with GAL-Xe ONE Technology  
**Chemical Type:** Inorganic Chemical Fertilizer

#### SECTION 2

#### 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. Do not induce vomiting unless directed to by a medical provider.  
**Inhalation:** Dusty conditions may cause mechanical aggravation to respiratory mucous membranes.  
**Eye Contact:** 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:** If overdose is suspected, contact a poison control center at or emergency room immediately. U.S. residents can call their local poison control center at (800) 222-1222. Canadian residents should call a provincial poison control center.

**Pictograms:**



#### SECTION 3

#### COMPOSITION INFORMATION

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	TLV	PEL
None			Non-Hazardous		
This product is a blend of the following non-hazardous ingredients:			100		Not available
Potassium Nitrate	7757-79-1	KNO <sub>3</sub>			
Polomer Coating					

#### SECTION 4

#### FIRST AID MEASURES

**Ingestion:** Do not induce vomiting unless directed to from a health care provider. Call the poison control center immediately.  
**Inhalation:** Remove to fresh air. Seek medical attention if breathing becomes labored.  
**Eyes:** Flush eyes with running water for at least 15 minutes. Seek medical attention if vision becomes impaired or irritation persists.  
**Skin:** Remove contaminated clothing and wash skin with soap and water. Seek medical attention if irritation 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**

<b>Boiling Point:</b>	Not applicable	<b>Solubility in Water:</b>	1g/2.8 ml water @ 25C
<b>Density:</b>	Not available	<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>	Multi-colored granules.		
<b>Extinguishing Media:</b>	Non flammable		

**SECTION 10**

**STABILITY AND REACTIVITY**

**Stability (Normal Conditions):** Stable  
**Conditions to Avoid:** Extremely high temperatures.  
**Incompatibility (Material to Avoid):** Strong oxidizing agents, reducing agents, combustible materials and 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

**SECTION 11**

**TOXICOLOGY INFORMATION**

<b>Potassium Nitrate</b>	<b>Oral LD50 (rat)</b> (rabbit) 1,900-3,750 mg/kg	<b>Dermal LD50 (rat)</b> > 5,000 mg/kg	<b>Aquatic Fish 96-hour</b> 1,378-3,000 mg/L	<b>Aquatic (other)</b> none listed
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All toxicity data from TFI Product Testing Results.

**SECTION 12**

**ECOLOGICAL INFORMATION**

**Ecotoxicity:** Not available  
**Persistence/Degradability:** Not available  
**Bioaccumulation/Accumulation:** Possible hazardous short term degradation products are not likely. However, long term degradation products may arise.  
**Mobility in Soil:** Not available  
**Other Adverse Effects:** Not available

**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 practices and soil management.

**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

MSDS Version Number: 1

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