

Material Safety Data Sheet
J. R. Simplot Company
AgriBusiness

M13010

Trade Name: Sulfate of Potash Granular 0-0-50
Registration No: None

SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer or Formulator: J.R. Simplot Company
P.O. Box 70013
Boise, ID 83707
Product Name: Sulfate of Potash Granular 0-0-50
Common Name: 0-0-50
Chemical Type: Inorganic Chemical Fertilizer

Emergency Phone - Chemtrec: 1-800-424-9300

SECTION 2 COMPOSITION INFORMATION

| Chemical Name and Synonyms | C.A.S. No. | Chemical Formula | WT% Hazardous | TLV | PEL |
|---------------------------------------|------------|--------------------------------|----------------------|--------------------------------------|---------------|
| None listed | | | | | |
| | | | Non-Hazardous | | |
| A blend of non-hazardous ingredients: | | | 100% | | |
| Potassium Sulfate | 7778-80-5 | K ₂ SO ₄ | | 10 mg/M ³ - Nuisance Dust | Not available |
| Inert Materials | -- | -- | | | |

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.

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: 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 NH₃, SO_x, PO_x 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: | 11 gm/100 ml H ₂ O @ 68°F |
| Density: | 85-91 lbs/ft ³ | % Volatiles (by volume): | Not applicable |
| Flashpoint: | Non-flammable | Vapor Pressure, mm Hg: | Not applicable |
| pH: | Not listed | Reaction with Water: | None |
| Appearance: | Colorless or white, crystals, granules or powder. | | |
| Extinguishing Media: | Use media suitable to extinguish source of fire. | | |

SECTION 10

STABILITY AND REACTIVITY

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| 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 ₃ , SO _x , PO _x or CN. |
| Hazardous Polymerization: | Will not occur |

SECTION 11

TOXICOLOGY INFORMATION

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|--------------------------------|--|
| Acute Oral Toxicity: | LD ₅₀ (rat) is greater than 6,600 mg/kg (ppm); not acutely toxic by oral exposure. (TFI Product Testing Results, OECD Guideline 425) |
| Acute Aquatic Toxicity: | Fish 96-hour LC ₅₀ : 680-3,550 mg/L; daphnia 48-hour EC ₅₀ : 720-890 mg/L. Not toxic to aquatic organisms. (TFI Product Testing Results) |

SECTION 12

ECOLOGICAL INFORMATION

None listed.

SECTION 13

DISPOSAL CONSIDERATIONS

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| 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. |
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SECTION 14

TRANSPORT INFORMATION

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|----------------------------------|----------------------|-----------------------|-------------------|
| 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): | Non-flammable | Flammable Limits | LOWER | UPPER |
| Autoignition Temperature: | Not applicable | (% BY VOLUME) | N/A | N/A |

MSDS Version Number: 6 (revisions to Section 2)

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