

Material Safety Data Sheet
J. R. Simplot Company
AgriBusiness

M74025

Trade Name: Turf Supreme® 16-6-8
Registration No: None

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: Turf Supreme® 16-6-8
Common Name: 16-6-8
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 | | | | | |
| This is a homogeneous granular product containing: | | | Non-Hazardous | | |
| Ammonium Sulfate | 7783-20-2 | (NH ₄) ₂ SO ₄ | 100% | 10 mg/m ³ Nuisance Dust | 15 mg/m ³ Nuisance Dust |
| Monoammonium Phosphate | 7722-76-1 | NH ₄ H ₂ PO ₄ | | | |
| Muriate of Potash | 7447-40-7 | KCl | | | |
| Iron Oxysulfate | -- | -- | | | |
| Manganese Compound | 7439-96-5 | Mn | | | |

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: | 60 gm/100 gm H ₂ O @ 78°F |
| Density: | 63 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: | Solid, granular, dark gray; slight acidic 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 NH₃, SO_x, PO_x or CN.
Hazardous Polymerization: Will not occur

SECTION 11

TOXICOLOGY INFORMATION

| | <u>Oral LD50 (rat)</u> | <u>Dermal LD50 (rat)</u> | <u>Aquatic Fish 96-hour</u> | <u>Aquatic (other)</u> |
|-------------------------------|------------------------|--------------------------|--|--|
| Monoammonium Phosphate | >2,000 mg/kg | >5,000 mg/kg | > 86 mg/L (rainbow trout) | none listed |
| Ammonium Sulfate | 640-4,250 mg/kg | > 2,000 mg/kg | > 13.6-159.8 mg total NH ₃ /L | > 27.0 mg/total NH ₃ /L (daphnia) |
| Potassium Chloride | 1,500-2,600 mg/kg | none listed | 2,010 mg/L | none listed |

All toxicity data from TFI Product Testing Results.

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

MSDS Version Number: 11 (revisions to Section 2)

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