

diammonium phosphate sulphate (cas 12593-60-1) MSDS

Material Safety Data Sheet

J. R. Simplot Company

M&C Group

M74026

Trade Name: Turf Supreme w/BESTCOTE 15-5-7

Registration No: None

Section 1 Chemical Product and Company Information

Manufacturer or Formulator: J.R. Simplot Company Product Name: Turf Supreme w/BESTCOTE 15-5-7

P.O. Box 912 Common Name: 15-5-7

Pocatello, ID 83204 Chemical Type: Inorganic Chemical Fertilizer and Inert Sealant

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

Section 2 Composition Information

Chemical Name and Synonyms C.A.S. No. Chemical Formula WT% TLV PEL

Hazardous

None listed

Non-Hazardous

3

Iron Oxide 1332-37-2 FeO 2 10 mg/M

Non-hazardous fertilizer ingredients: 98

3

Ammonium Phosphate Sulfate 12593-60-1 (NH₄)₂H₃(PO₄)(SO₄) 10 mg/M - Nuisance Dust Not available

Muriate of Potash 7447-40-7 KCl

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

60 gm/100 gm H₂O @ 78°F

Boiling Point: Not applicable Solubility in Water:

3

Density: 63 lbs/ft³ % 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

Conditions to Avoid: Not applicable

Section 11 Toxicology Information

Ingestion: Acute Oral Toxicity (rat) LD₅₀: 2430 mg/kg for Potassium Chloride.

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

Hazard Class: None C.A.S. Number: See "Ingredients"

Reportable Quantity (RQ): None D.O.T. Number: None

Labels Required: None Haz Waste No: None

Placard: None EPA Regist No: None

Section 15 Regulatory Information

Carcinogenicity:

by IARC?: Yes () No (X) by NTP?: Yes () No (X) by CAL/OSHA?: Yes () No (X)

California Prop 65:

Yes () No (X)

Not on the 302 list of SARA reportable quantities.

Section 16 Other Information

Flash Point (Test Method): Non-flammable Flammable Limits

Limits LOWER UPPE Autoignition Temperature: Not applicable (% BY VOLUME) N/A/N/A

MSDS Version Number: 2

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Reviewed by: The Department of Regulatory Affairs

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