



10-52-4

fish pond

Water Soluble



Material Safety Data Sheet

MSDS DATE: 6/13/11

SECTION I: IDENTIFICATION

Chemical Name: Soluble Fertilizer

Product Use: Dry fertilizer for mixing with water for foliar and soil applications.

HMIS INDEX

HEALTH: 1 **FLAMMABILITY:** 0 **REACTIVITY:** 2 **PERSONAL PROTECTION:** N/A

Chemical Family: Inorganic Salts

Trade Name: Red River Specialties 10-52-4 Water Soluble Fertilizer

Description: 10% nitrogen (N), 52% phosphorus (P₂O₅), 4% potash (K₂O), Professional fertilizer.

SECTION II: MANUFACTURER INFORMATION

Manufacturer: Red River Specialties, Inc.

Address: 7545 Haygood Road, Shreveport, LA 71137-7241

Emergency Telephone Number: Chemtrec: 1-800-424-9300 International: 1-202-483-7616

Telephone Number for Information: (800) 667-8528, Fax:(770) 234-6872

Date Prepared: June 13, 2011

SECTION III: INGREDIENTS

	CAS Number	OSHA PEL	ACGIH TLV	Other Limits
Monoammonium Phosphate	7722-76-1	None	None	
Potassium Sulfate	7778-80-5	None	None	

SECTION IV: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A

Vapor Pressure: N/A

Vapor Density: N/A

Solubility in Water: 30 - 50 g/100 ml at 20 C.

Appearance and Odor: White crystalline powder

Specific Gravity: 1.5 - 2.1

Melting Point: In excess of 200 C.

Evaporation Rate: N/A

SECTION V: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method used)	Flammable Limits	OSHA Classification	LEL	UEL
Not Applicable	Not Applicable	Not regulated	N/A	N/A

Extinguishing Media: Water. Use Media to Control Surrounding Fire

Special Fire Fighting Procedures: Wear positive pressure self contained breathing apparatus, and full protective clothing

Unusual Fire and Explosion Hazards: Avoid fumes from fire. Evacuate nonessential personnel from area.

SECTION VI: REACTIVITY DATA

Stability: Normal

Hazardous decomposition or byproducts: Ammonia

Hazardous Polymerization: Will not occur

Conditions to avoid: Temperatures over 200 C may lead to decomposition

Materials to avoid: These materials may be corrosive

SECTION VII: HEALTH HAZARD DATA

Health Hazards Acute Exposure: Toxic by ingestion. Seek medical attention immediately. Can cause irritation of skin, eyes, and respiratory system

Health Hazards Chronic Exposure: Can cause damage to respiratory system, blood system, reproductive system, and urinary system.

Carcinogenicity: No information available

EMERGENCY FIRST AID PROCEDURES

SKIN: Flush with water. If irritation develops, call physician.

EYES: Flush with water for 15 minutes. Seek medical attention.

INGESTION: Drink large amounts of water, seek medical attention immediately.

INHALATION: Remove to fresh air. Seek medical attention immediately.

TOXICOLOGY (Product)

Acute Oral LD50: N/A

Acute Dermal LD50: N/A

Acute Inhalation: N/A

Carcinogenic: N/A

Mutagenic: N/A

Eye Irritation: May be an irritant

Primary Skin Irritation: May be an irritant



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SECTION VIII: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken if material is spilled: Sweep or shovel up spilled material. Prevent large quantities from entering drinking water supplies or streams.

Waste disposal method: Dispose of contaminated product, empty containers and materials used in approved landfill disposal facility in accordance with federal, state, and local regulations. Apply as fertilizer to field.

Precautions for handling/storing: Do not store near combustible materials. Avoid contact with eyes and skin. Wash thoroughly after handling. Keep container closed and away from heat, sparks, and flame. **KEEP OUT OF REACH OF CHILDREN.** Product contains boron and molybdenum. Certain crops and livestock are sensitive to these elements.

SECTION IX: CONTROL MEASURES

Respiratory Protection: NIOSH/MSHA - approved respirator

Exposure Limits: None. Recommended for generic dusts: 5 mg/m³

Ventilation: Mechanical (General, adequate to remove dust from air)

Protective Gloves: Heavy duty gloves

Eye Protection: Goggles

Other Protective Clothing: Long-sleeved shirts

Work/Hygienic Practices: Follow recommendations in Section VIII. Wash hands and face before eating, drinking, or smoking.

SECTION X: STABILITY AND REACTIVITY

Stability: Stable under normal storage and temperature conditions.

Conditions to avoid: Keep away from flammable, combustible and reducing substances.

Hazardous: Heavy duty gloves

Decomposition Products: oxides of nitrogen, oxides of phosphorus

SECTION XI: TOXICOLOGICAL INFORMATION

Acute Data: no data available

Inhalation: no data available

Short-term Effects: Inhalation may cause irritation of the respiratory tract. Can cause skin and eye irritation. Cyanosis due to absorption of big quantities into the body and occurrence of methaemoglobinemia.

Chronic Effects: no data available

SECTION XII ECOLOGICAL INFORMATION

General: Do not discharge into drains and water or public depositories.

Environmental Fate: Dissociates into potassium, phosphate and nitrate ions. Nitrates and phosphates may be absorbed by plants and converted into organic nitrogen, whereas potassium binds to clay particles in the soil.

SECTION XIII DISPOSAL CONSIDERATIONS

Residues: Licensed professional waste disposal service is required. Disposal of waste according to all federal, state and local regulations.

Empty Packaging: Empty containers may be reused after appropriate cleansing. Packaging that can not be cleaned should be disposed in agreement with the regional waste disposal company.

SECTION XIV TRANSPORT INFORMATION

Non-hazardous for transport: This product is not hazardous for transport.

SECTION XV REGULATORY INFORMATION

Indication of Danger: None

Risk statements: None

Safety Statements: Keep away from combustible material. Avoid contact with skin and eyes.

SARA: Not listed

TSCA: Not listed

California Prop. 65: Not listed

Material contained herein complies with OSHA's hazard communication standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

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EMERGENCY TELEPHONE: CHEMTREC: 1-800-424-9300