

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1: PRODUCT IDENTIFICATION

SECTION 2: HAZARDS IDENTIFICATION

Classification: Not classified as hazardous

GHS Pictograms: None

Signal Word: Warning

Hazard Statements: May cause eye irritation. May cause respiratory irritation if inhaled as dust.

Precautionary Statements: Avoid breathing dust. Wear protective gloves/eye protection. Wash hands thoroughly after handling.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Composition: Phosphorus (P₂O₅): 52%, Potassium (K₂O): 34%

SECTION 4: FIRST AID MEASURES

Inhalation: Remove person to fresh air. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.

Skin Contact: Wash with plenty of water and soap. Remove contaminated clothing. Seek medical attention if irritation develops.

Eye Contact: Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses if present. Seek medical attention.

Ingestion: Rinse mouth with water. Do NOT induce vomiting. Seek immediate medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use water spray, dry chemical, foam, or CO₂. Product is non-combustible.

Specific Hazards: May emit toxic fumes of phosphorus oxides and potassium compounds when heated to decomposition.

Protective Equipment for Firefighters: Wear self-contained breathing apparatus and protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid breathing dust. Wear appropriate personal protective equipment.

Environmental Precautions: Prevent entry into waterways, sewers, or confined areas.

Methods for Cleanup: Sweep up or vacuum material and place in appropriate container for disposal.

SECTION 7: HANDLING AND STORAGE

Handling: Handle in accordance with good industrial hygiene practices. Avoid dust formation.

Storage: Store in a cool, dry, well-ventilated area. Keep containers tightly closed.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: No specific occupational exposure limits established.

Engineering Controls: Provide adequate ventilation.

Personal Protective Equipment: Eyes: Safety glasses. Skin: Protective gloves. Respiratory: Dust mask if needed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions

Chemical Stability: Stable under recommended storage conditions

Incompatible Materials: Strong oxidizing agents, strong acids

Hazardous Decomposition Products: Phosphorus oxides, potassium oxide

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Low toxicity. LD50 (oral, rat): >5000 mg/kg

Skin Corrosion/Irritation: Not classified as skin irritant

Serious Eye Damage/Irritation: May cause mild eye irritation

Sensitization: Not a known sensitizer

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity: Low toxicity to aquatic organisms

Persistence and Degradability: Readily biodegradable

Bioaccumulative Potential: Low potential for bioaccumulation

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations.

SECTION 14: TRANSPORT INFORMATION

UN Number: Not classified as dangerous goods

Proper Shipping Name: Fertilizer, N.O.S.

Transport Hazard Class: Not regulated

Packing Group: Not applicable

SECTION 15: REGULATORY INFORMATION

This product is a fertilizer and is exempt from OSHA Hazard Communication Standard requirements when used for its intended purpose.

SECTION 16: OTHER INFORMATION

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Disclaimer: The information provided in this Material Safety Data Sheet is correct to the best of our knowledge at the date of publication. This information is designed only as a guide for safe handling, use, storage, transportation, and disposal and should not be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.

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