

Fosal Select Fungicide

Material Safety Data Sheet

1. IDENTIFICATION

Chemical name of active ingredient(s): Fosetyl-Al: Aluminum tris (O-ethyl phosphonate)
 Manufacturer/Registrant: Prime Source, LLC
 4609 E. Booneville-New Harmony Road
 Evansville, IN 47725
 For fire, spill, and/or leak emergencies, contact Infotrac: National Pesticides Information Center (NPIC) 800-858-7378
 For medical emergencies and health and safety inquiries, contact: Poison Control Center 800-222-1222

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	%	OSHA/ PEL	ACGIH/ TLV	OTHER	NTP/IARC/OSHA (Carcinogen)
Fosetyl-Al NA = Not available.	39148-24-8	80	NA	NA	NA	NA

3. HAZARDS IDENTIFICATIONS

PHYSICAL PROPERTIES

Appearance: White granules

Odor: Faint odor

EMERGENCY OVERVIEW CAUTION. Harmful if absorbed through the skin or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing.

LIKELY ROUTES OF EXPOSURE: Inhalation, skin contact, skin absorption, and eye contact.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition emits toxic fumes: carbon dioxide, carbon monoxide, AlOx, POx.

4. FIRST AID

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IF IN EYES:	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
IF INHALED:	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Emergency information concerning this product, call the National Pesticide Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 a.m. to 4:30 p.m. Pacific Time (NPIC Website: www.npic.orst.edu). Outside these times call your poison control center at 1-800-222-1222.

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5. FIRE FIGHTING MEASURES

FLASHPOINT: Not applicable

FLAMMABLE LIMITS (% in air): Not applicable

AUTOIGNITION TEMPERATURE: Not below 400°C

EXTINGUISHING MEDIA: Foam, dry powder and CO₂.

FIRE FIGHTING PROCEDURES: Contain the spread of the fire-fighting media. Dike area to prevent runoff and contamination of water sources. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Equipment or materials involved in pesticide fire may become contaminated. Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE/EXPLOSION HAZARDS: This product, when mixed with air in critical concentrations and in the presence of an ignition source, may present a dust explosion hazard.

6. ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Clean up spills immediately observing the precautions in Section 8 of this MSDS. Isolate the hazard area and keep unnecessary and unprotected personnel from entering. Prevent material from contaminating soil or from entering sewage and drainage systems and bodies of water. Avoid dust formation and avoid breathing dust. Use recommended protective equipment and carefully sweep up spilled material, placing it in a covered container for reuse or disposal. Scrub the contaminated area with soap and water followed by a water rinse. Use dry absorbent material to absorb and collect wash solution for proper disposal.

7. HANDLING AND STORAGE

Do not contaminate water, food, or feed by storage or disposal.

PRECAUTIONS TO BE TAKEN IN HANDLING: Handle and open container in a manner as to prevent spillage. Avoid dust production. Do not breathe dust. Avoid contact with skin and eyes.

PRECAUTIONS TO BE TAKEN IN STORAGE: Store in original container and keep tightly closed. Store in a cool dry place. Keep out of reach of children. Keep away from food, drink and animal feedstuffs.

STORAGE TEMPERATURE (MIN/MAX): Normal ambient temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, AND PACKAGING OF THE PRODUCT.

- Long-sleeved shirt and long pants.
- Waterproof gloves, shoes plus socks.
- Protective eyewear.

ADDITIONAL PROTECTIVE MEASURES: Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

EXPOSURE GUIDELINES: Refer to Section 2.

ENGINEERING CONTROLS: Use adequate ventilation to minimize airborne concentrations of this material.

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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White granules

ODOR: Faint odor

DENSITY: 0.65 g/mL

pH: 3.4

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY: Strong acids and strong bases.

INSTABILITY CONDITIONS: Extreme humidity.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition emits toxic fumes: carbon dioxide, carbon monoxide, AlOx, POx.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY/IRRITATION STUDIES

Acute Oral LD50 (Rat):	2,860 mg/kg
Acute Dermal LD50 (Rabbit):	> 2,000 mg/kg
Acute Inhalation LC50 (Rat):	> 5.0 mg/L (4 hrs.)
Eye Irritation (Rabbit):	Mildly irritating
Skin Irritation (Rabbit):	Slightly irritating
Dermal Sensitization (Guinea Pig):	Not a sensitizer

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS This product is toxic to aquatic and estuarine invertebrates. Drift and runoff may be hazardous to aquatic and estuarine organisms in neighboring areas. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

13. DISPOSAL CONSIDERATIONS

END USERS MUST DISPOSE OF ANY UNUSED PRODUCT AS PER THE LABEL RECOMMENDATIONS.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Dispose of product containers, waste containers, and residues according to label instructions and local, state, and federal health and environmental regulations.

14. TRANSPORT INFORMATION

DOT CLASSIFICATION:

Not regulated

INTERNATIONAL TRANSPORTATION:

IMO (vessel): Not regulated

IATA (air): Not regulated

15. REGULATORY INFORMATION

SARA TITLE III CLASSIFICATION:

Section 302: Not applicable

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Section 311/312: Immediate (acute) hazard

Section 313: Not applicable

CA PROPOSITION 65: Not applicable

CERCLA RQ: Not applicable

RCRA CLASSIFICATION: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA STATUS: The ingredients of this product are listed on the TSCA inventory or exempt.

16. OTHER INFORMATION

HAZARD RATINGS	NFPA	HMIS	
HEALTH:	1	1	0 MINIMAL
FLAMMABILITY:	0	0	1 SLIGHT
REACTIVITY:	0	0	2 MODERATE
			3 HIGH
			4 SEVERE

Effective Date: December 28, 2012

Disclaimer:

This product is a registered agricultural chemical and must therefore be used in accordance with the container label directions. The information contained herein is given in good faith and is believed to be correct, but no warranty, express or implied, is made. Consult Prime Source, LLC for further information.