



利民化工股份有限公司

LIMIN CHEMICAL CO.,LTD.

ADD: ECONOMIC DEVELOPMENT ZONE, XINYI, JIANGSU, CHINA. TEL(FAX) 86-516-88923651

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product name: Fosetyl-aluminium 800g/kg WP

Synonyms: aluminium tris-O-ethylphosphonate

Section 2 - Composition /Information on Ingredients

Chemical Name	CAS#	Wt.
ALSETYL	39148-24-8	800g/kg

Section 3 - Hazards Identification

NON-HAZARDOUS SUBSTANCE - NON-DANGEROUS GOOD

May irritate eyes. Not flammable.

Risk phrases: Not applicable

Safety phrases: Not applicable

Wear personal protective equipment during the process of drug use. Wash hands and face after using.

Section 4 - First Aid Measures

If poisoning occurs, immediately contact a doctor, and follow the advice given. Show this Material Safety Data Sheet to a doctor.

Inhalation: Remove victim to fresh air.

Seek medical advice. Show this MSDS to a medical practitioner.

Skin contact: Remove contaminated clothing.

Wash affected areas with plenty of soap and water.

Eye contact: Immediately irrigate with copious quantities of water for at least 15 minutes. Seek medical assistance. Show this MSDS to a medical practitioner. Ingestion: Seek medical advice.

Show this MSDS to a medical practitioner. First Aid Provide washing facilities in the workplace.

Facilities:

Symptoms: No specific symptoms are associated with poisoning with this product.

Medical attention: No specific antidote known. Treat symptoms.

Section 5 - Fire Fighting Measures

Extinguishing Carbon dioxide, foam, dry agent media: Hazards from Oxides of phosphorus when involved in fire.

Combustion products: Precautions for Full protective gear, including self-contained breathing apparatus (SAA fire fighters: 1716), must be worn.

Section 6 - Accidental Release Measures

Dealing with spills and disposals may result in the potential for increased personal exposure.



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Avoid contact with eyes, skin and clothing or inhalation of product.

During such operations it is recommended that full protective clothing is worn:

* Cotton overalls buttoned to the neck and wrist

* Elbow-length PVC gloves.

CONTAIN SPILL, sweep up, collect and seal in properly labeled drums for safe disposal in an approved landfill, or bury under at least 500 mm of soil in a non-crop, non-pasture area away from water sources or homes. Keep people away and upwind. If contamination of drains, streams, watercourses etc. is unavoidable, warn the local water authority.

Section 7 - Handling and Storage

Handling: Keep out of reach of children. Wear long sleeved overalls and gloves while handling.

Avoid contact with the eyes, skin and clothing or inhalation of product.

Storage: Store in the closed original container in a dry, well-ventilated area, as cool as possible, out of direct sunlight. Must be stored and transported according to local State/Territory and Federal regulations.

Section 8 - Exposure Controls, Personal Protection

Exposure This product contains very low levels of amorphous silica – a time standards: weighted average (TWA) exposure standard of 2 mg/m is recommended Engineering Use in a well-ventilated area only. controls:

Personal Eyes: Avoid contact with eyes Protective

Equipment: Clothing: Full length work clothes

Gloves: Avoid contact with skin – wear gloves if necessary

Respiratory: Avoid inhaling dust – wear disposable dust mask if necessary

Other: Wash hands after use.

Section 9 - Physical and Chemical Properties

Appearance: white powder

Odour: Negligible

Vapour pressure: <0.013mPa at 25 degrees Celsius

Vapour density: Not available

Boiling point: Decomposes above 200 degrees Celsius

Freezing/melting Not available point:

Solubility: 120 g/L at 20 degrees Celsius

Density: 0.55 - 0.65 g/mL

Molecular weight: 354.1 (technical fosetyl-aluminium)

pH: Not available

Flash Point: Non flammable, non explosive

Flammability Not determined (explosive) limits:

Auto-ignition Not available temperature:

Octanol/water Not available partition coefficient:



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Formulation: Water dispersible granule

Section 10 - Stability and Reactivity

Chemical Stable under normal conditions of use.

stability:

Hazardous No dangerous reaction known under normal conditions of use.

polymerisation:

Conditions to Extreme heat and fire and strong alkalis and acids.

avoid: Incompatible Strong alkalis and acids.

materials:

Hazardous Oxides of phosphorous when involved in fire.

decomposition products:

Section 11 - Toxicological Information

POTENTIAL HEALTH EFFECTS

Inhalation: Dust may cause respiratory irritation in susceptible individuals.

Skin contact: Studies indicate this product is not an irritant or sensitizing agent.

Eye contact: May be a slight eye irritant.

Ingestion: May be harmful if swallowed.

Other: None

ANIMAL TOXICITY DATA – PRODUCT:

Acute:

Oral toxicity: LD50 rat: 2680 mg/kg

Dermal toxicity: LD50 rat: 2020 mg/kg

Inhalation LC50 (4 h) rat: >5.2

toxicity:

Skin irritation: Not available

Eye irritation: Not available

Sensitisation: Not available

Chronic:

In 90-day feeding trials (technical fosetyl-aluminium), the no effect level for rats was 5,000 mg/kg bw/d and for dogs was 50,000 mg/kg bw/d.

The technical material is unlikely to pose a carcinogenic hazard to humans.

Section 12 - Ecological Information

Dangerous to fish. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

Fish toxicity: Technical fosetyl-aluminium: LC50: 94.3 - 428 mg/L rainbow trout

Daphnia toxicity: Not available

Toxicity to algae: Not available

Bird toxicity: Technical fosetyl-aluminium: LD50: >8000 mg/kg bobwhite quail



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Bee toxicity: Low hazard to bees.

Other: None

Environmental Not available fate, persistence and degradation:

Section 13 - Disposal Considerations

Shake empty bag into spray tank. DO NOT dispose of undiluted chemicals on site. Puncture or shred and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

Section 14 - Transport Information

UN number: Not applicable

Proper shipping Not applicable name:

Class and Not "dangerous goods" for transport by road or rail according to the Subsidiary Risk:

Chinese Code for the Transport of Dangerous Goods by Road and Rail.

Packing Group: Not applicable

EPG: Not applicable

Hazchem code: Not applicable

Section 15 - Regulatory Information

United States

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT) 313

REPORTABLE INGREDIENTS: This product or its components are not listed.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: This product or its components are not listed.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: This product or its components are not subject to export notification.

TSCA STATUS: This product or its components are not listed on the TSCA Inventory.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): This product is not a registered pesticide.

Section 16 - Additional Information

All information and instructions provided in this Material Safety Data Sheet

(MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.



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