



MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

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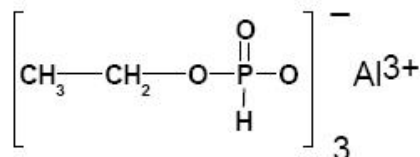
1. Chemical Product Identification

Product Name: Fosetyl-aluminium

Molecular Formula: $C_6H_{18}AlO_9P_3$

Molecular Weight: 354.1

Structural Formula:



Chemical Name: aluminium tris-O-ethylphosphonate

2. Composition / Information On Ingredients

Composition	CAS No.	Content %
Fosetyl-aluminium	39148-24-8	97.0
Others ingredients		3.0

3. Hazards Identification

Component	Symbol	R phrases
Fosetyl-aluminium	Xn	R38-20/22

4. First Aid Measures



Skin: Remove contaminated clothes. Rinse and then wash skin with water and soap. Refer for medical attention.

Eyes: First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

Inhalation: Move affect person to fresh air and keep at rest until recovered. If not breathing, give artificial respiration and get to a doctor.

Ingestion: Do not induce vomiting if the person is conscious. Give glass of water. Get to a doctor.

Notes to physician: No specific antidote if ingested. Treat symptomatically.

5. Fire-Fighting Measures

Extinguishing media

To be used: Powder, foam, and sand.

Don't use: Not applicable

Particular risk: None

Measures of personal protection: Safety glasses or goggles, rubber gloves, shoes plus socks, long-sleeved shirt, and long pants.

Environmental cautions

EX: Prevent the contamination of the floor and the beds of water.

6. Accidental Release Measures

Personal cautions: Safety glasses or goggles, rubber gloves, shoes plus socks, long-sleeved shirt, and long pants.

Cleaning methods

EX: The empty container may be decontaminated by rinsing two or three times with water and detergent and scrubbing the sides.

Environmental cautions

EX: Prevent the contamination of the floor and the beds of water.

7. Handling And Storage

Handling: Do not apply to humans, their clothing, or bedding. Do not contaminate food or use on household tanks.



Storage: Store at normal temperatures, away from children, domestic animals, food and feed products, seed and fertilizer. Do not contaminate other stored products or the storage area by handling or storage of this product. Keep in a well-ventilated room.

8. Exposure Controls / Personal Protection

Personal protective equipment

Respiratory protection: Approved respirator

Protective gloves: Rubber gloves

Eye protection: Safety goggles or face shield.

Industrial hygiene: adequate ventilation.

9. Physical And Chemical Properties

Form: powder

Color: white to yellowish

Odor: slight special odor

Melting point: >200°C.

Vapor pressure : <0.013mPa@25°C.

Water solubility: 120g/L (pH 6, 20°C)

Other solubility: In methanol 920, acetone 13, ethyl acetate <1 (all in mg/l, 20°C).

PH value: 3-6

Fineness (through 325 mesh sieve): 98%

Flash point: non-inflammable;

Ignition temperature: not applicable

10. Stability And Reactivity

Conditions to avoid: flame, fire and high temperature.

Products to avoid: incompatible with foliar fertilisers;

Thermal decomposition: decomposes above 276°C;

Hazardous decomposition products: phosphide, carbon dioxide and so on.

Hazardous reaction: Not applicable

11. Toxicological Information

Acute oral LD50 for rat: >2000 a.i.mg/kg



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Acute dermal LD50 for rat: >2000 a.i.mg/kg.

Inhalation LC50 (4 h) for rat: >5.11 a.i. mg/L.

Skin irritation: no irritant to skin

Eye irritation: mild irritant to eye.

Sensitisation: not a skin sensitiser (guinea pigs);

12. Ecological And Ecotoxicological Information

Effect on birds: low toxicity to birds, acute LD50 for Bobwhites quail is >8000 a.i.mg/kg.

Effect on fish: low toxicity to fish, acute 96 hour LC50 for Rainbow trout is >122 a.i.mg/L.

Effect on aquatic invertebrates: low toxicity to aquatic invertebrates, acute 48 hour EC50 for Daphnia magna is >100 a.i.mg/L.

Effect on algae: moderate toxicity to algae, acute 72 hour EC50 for Scenedesmus acutus is 5.9 a.i.mg/L.

Effect on honeybees: low toxicity to honeybees, contact acute 48 hour LD50 is >100 a.i.µg/bee; Oral acute 48 hour LD50 is 462 a.i.µg/bee.

Effect on earthworms: low toxicity to earthworms, acute 14 day LC50 for Eisenia foetida is > 1000 a.i.mg/kg.

13. Disposal Considerations

Material which can not be used at the site should be disposed of in an approved waste disposal facility following all applicable Federal, State and Local regulations. If burned, stay out of smoke. Do not contaminate water supplies by disposal of wastes or containers.

14. Transport Information

Class: 6.1

UN No.: 3077

15. Regulatory Information

Symbol: Xn

R phrases: R38-20/22

S phrases: S2/7/9/13/36/39

16. Other Information



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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.