



MATERIAL SAFETY DATA SHEET

Velvet 80 WP

IDENTIFICATION OF THE SUPPLIER:

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PRODUCT IDENTIFICATION:

Common Name: Fosetyl –aluminium
Trade Name: -----
Uses category: fungicide
Type of formulation: Wettable powder
Chemical Name: aluminuim tris-O- ethylphosphonate
Chemical Formula: $C_6H_{18} AlO_9P_3$
Molecular Weight: 354.1

PRODUCT COMPOSITION:

Active Ingredient:	% w/w	CAS #
Fosetyl –aluminium	80%	[39148-24-8]

Inert materials: up to 1 KG





HAZARDS IDENTIFICATION:

Likely routes of exposure:

Skin contact: Not expected to present a significant skin hazard.

Eye contact: redness. Blurred vision. Burning sensation. Irritating to eyes.

Ingestion: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

FIRST-AID MEASURES:

Ingestion: 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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Eye contact: 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

Skin contact: 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

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice

Poisoning Symptoms: No specific symptoms occur.

Antidote: There is no specific antidote available. Treat symptomatically.

FIRE-FIGHTING MEASURES: -

Flammable properties: Combustible material

Extinguishing agents:





Extinguish fires with water, carbon dioxide, dry powder, or alcohol-resistant foam. Water spray as a fog can be used for cooling of unaffected stock, but avoid water coming in contact with the product. Contain water used for fire-fighting for later disposal.

Avoid the accumulation of polluted run-off from the site.

Fire fighting:

Remove spectators from surrounding area. Remove container from fire area if possible without risk. Eliminate all ignition sources in immediate area. Fight fire from maximum distance. For massive fire, use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal. Use a recommended extinguishing agent for the type of surrounding fire. Avoid inhaling hazardous vapours. Keep upwind.

This product will emit toxic fumes when burned, including carbon monoxide, carbon dioxide, nitrogen oxides, halogens and hydrochloric acid.

Personal protective equipment:

Fire-fighters and others that may be exposed should wear full protective impervious clothing, including gloves and eye protection, and self-contained breathing apparatus. Contact with the fumes and vapours should be avoided by staying upwind

ACCIDENTAL RELEASE MEASURE:

Personal precautions:

Splash goggles. Full suit. Respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product.

Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Environmental precautions:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Do not allow entering drains or watercourses. Spillage or uncontrolled discharges into water courses (or public waters) to be reported immediately to the Police and to the Department of Water/Environmental Affairs.

Open burning or dumping of this material is prohibited.





PERSONAL PROTECTION/SAFTETY:

Comply with occupational safety, environmental, fire, and other applicable regulations.

PERSONAL PROTECTIVE EQUIPMENT:

Respirator:

It is usually safe to use the product without respirator. Where exposure through inhalation may occur when handling and/or when preparing the spray mixture, wear a face mask. If the product is used in dusty or confined conditions or spillage and fire conditions a respirator suitable for protection from dusts and mists of pesticides is adequate.

Clothing:

Employee must wear appropriate protective (impervious) clothing, boots, hat and equipment to prevent repeated or prolonged skin contact with this substance. Do not wear leather clothing.

Gloves:

Employee must wear appropriate chemical resistant protective gloves to prevent contact with this substance.

Eye protection:

The use of safety goggles (full-face shield) is recommended.

Emergency eye wash: Where there is any possibility that an employee's eyes may be exposed to this substance, the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.

HANDLING AND STORAGE:

STORAGE: Store Velvet 80 WP in a dry, ventilated place away from feed, seed or foodstuffs.

Unused product should be stored in original bag. Fold bag over and staple securely. Velvet 80 WP left exposed to the air will absorb moisture over time and become unusable. If the product becomes caked or lumpy, do not use.

DISPOSAL:

1. Empty bag thoroughly.





2. Follow provincial instructions for any required additional cleaning of the bag prior to its disposal.
3. Make the empty bag unsuitable for further use.
4. Dispose of the bag in accordance with provincial requirements.
5. For information on disposal of unused or unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agencies in case of a spill and for clean up of spills.

STABILITY AND REACTIVITY:

Stable for up to 2 years under normal warehouse and field conditions. May decompose on exposure to light (3,5,6-trichloro-2-pyridiloxycetic acid).

Hazardous decomposition:

When heated to decomposition, emits dangerous fumes, including carbon monoxide, carbon dioxide, nitrogen oxides, halogens and hydrochloric acid.

Conditions to avoid:

All heat sources, including direct sunlight.

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: whitish-grey powder

Odor: characteristic odor

Density: 0.59

PH: 4.0

Solubility: Completely soluble in water

TOXICOLOGICAL INFORMATION:

Acute Effects:

Eyes: Irritant to eyes. Causes substantial but temporary irritation, redness and pain.

Skin: Moderate irritant to skin. Not significantly absorbed through the intact skin. Readily absorbed through damaged or burned skin. Excessive exposure, especially if prolonged, may produce skin irritant.

Ingestion: Moderately toxic by ingestion. Symptoms may include diarrhoea and stomach pain.





Oral LD50: rat: 2000 mg/kg

Dermal LD50: rabbit: 2000 mg/kg

Inhalation LD50: rat: 5220 mg/kg

ECOLOGICAL INFORMATION: -

ECOTOXICOLOGY:

Fish: LC50 (96 hours): > 132 mg/ℓ

Daphnia: EC50 (48 hours): > 132 mg/ℓ

Algae: IC50 (72 hours): 21 mg/ℓ

DISPOSAL CONSIDERATIONS:

Pesticide disposal:

Open dumping or burning of this pesticide is prohibited. Waste resulting from the use of this product that cannot be reused or reprocessed should be disposed of in a landfill approved for pesticide disposal. Do not contaminate rivers, dams or any other water sources with the product or used containers. Never pour untreated waste or surplus products into public sewers or where there is any danger of run-off or seepage into water systems. Comply with local legislation applying to waste disposal.

Package product wastes:

Emptied containers retain vapour and product residues. Observe all labelled safeguards. Containers and packages must be completely emptied before being disposed of.

Never re-use the empty container for any other purpose. Do not burn the empty container. Refer to label attached.

Comply with any local legislation applying to disposal.

