

**CHIPCO ALIETTE T&O**

MSDS Version 0.0

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name CHIPCO ALIETTE T&O
Chemical Name
Common Name
MSDS Number 2081
Chemical Family
Chemical Formulation
PCP Registration No. 27557

Bayer CropScience
#100 - 3131 - 114th Avenue SE
Calgary, AB T2Z 3X2
Canada

Emergency Number (24 Hours/Day): 1-800-334-7577 Product Information: 1-888-283-6847

Product Use Description FUNGICIDE

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Component Name</u>	<u>CAS No.</u>	<u>Concentration % by Weight</u>	
		<u>Minimum</u>	<u>Maximum</u>
ALUMINUM TRIS (O-ETHYL PHOSPHONATE)	39148-24-8	>= 80.0000	
Crystalline Silica (Quartz)	14808-60-7	>= 0.2500	

SECTION 3. HAZARDS IDENTIFICATION

NOTE: Please refer to Section 11 for detailed toxicological information.

Emergency Overview Caution: Harmful if inhaled, swallowed or absorbed through skin. Causes skin irritation.

Odor ACIDIC

Routes of Exposure Oral. Absorption through skin. Inhalation.

Immediate Effects

Eye Causes eye irritation. Causes redness and tearing.

Skin Harmful if absorbed through the skin. Irritant, causes redness and swelling.

Ingestion Harmful if swallowed.

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Inhalation Harmful if inhaled. May cause respiratory tract irritation.

Chronic or Delayed Long-Term None known.
CARCINOGENIC:
EPA has concluded that fosetyl-Al is unlikely to pose a carcinogenic hazard to humans.
This product contains 0.3% crystalline silica present as quartz. Frequent overexposure to crystalline silica may lead to lung damage (silicosis).

SECTION 4. FIRST AID MEASURES

Eye For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention.

Skin In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and launder before reuse.

Ingestion If swallowed, induce vomiting immediately by giving two glasses of water and sticking fingers down throat; never give anything to an unconscious person. Get medical attention.

Inhalation If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point Flash Point: N/A
Flammable: No

Auto Ignition Temperature Unknown

Upper Flammable Limit Unknown

Suitable Extinguishing Media Water fog, carbon dioxide, foam, dry chemical.

Fire Fighting Instructions Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.

Dust Explosion Class SENSITIVITY TO MECHANICAL IMPACT (Y/N): NO
SENSITIVITY TO STATIC DISCHARGE:
Sensitivity to static discharge is not expected.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

Land Spill or Leaks Scrape or gather material and place in a suitable container for disposal. Avoid runoff to natural waters.

SECTION 7. HANDLING AND STORAGE

Handling Procedures Avoid contact with eyes, skin and clothing. Keep away from food and feed products. Keep container closed when not in use. Keep dry. Use only in a well ventilated area.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls A well ventilated area to control dust levels.

Eye/Face Protection Monogoggles.

Body Protection Cleanable impervious gloves and long sleeved shirts.

Respiratory Protection Use an approved pesticide respirator if ventilation is not adequate or exposure to sprays, mists vapours, or dusts is likely.

Exposure Limits

ACGIH TLV
Fosetyl-Al
TWA: 3 mg/m³ (respirable)
STEL: N/E
Crystalline silica
TWA: 0.1 mg/m³ (respirable)
STEL: N/E

ALUMINUM TRIS (O-ETHYL PHOSPHONATE)	39148-24-8	CAD BC OEL	TWA	2 mg/m ³
		Expressed as OEL (QUE)	TWA	2 mg/m ³
		Expressed as CAD AB OEL	TWA	2 mg/m ³
		CAD AB OEL	STEL	4 mg/m ³
Crystalline Silica (Quartz)	14808-60-7	OEL (QUE)	TWA	0.1 mg/m ³
		Form of Exposure	Respirable dust.	
		CAD AB OEL	TWA	0.1 mg/m ³
		Form of Exposure	Respirable dust.	
		CAD AB OEL	TWA	0.05 mg/m ³

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Form of Exposure	Respirable dust.	
CAD AB OEL TWA		0.3 mg/m3
Form of Exposure	Total dust.	
CAD AB OEL TWA		0.15 mg/m3
Form of Exposure	Total dust.	
CAD BC TWA		0.1 mg/m3
OEL		
Form of Exposure	Respirable dust.	
CAD ON TWA		10 mg/m3
OEL		
Form of Exposure	Inhalable particulate.	
CAD ON TWA		3 mg/m3
OEL		
Form of Exposure	Respirable particles.	

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Odor	ACIDIC
pH	3 at 5%
Vapor Pressure	NA
Vapor Density (air = 1)	NA
Specific Gravity	NA
Density	NA at 25 °C
Boiling Point	NA
Melting/Freezing Point	FREEZING POINT: NA MELTING POINT: NA
Solubility (in water)	SOLUBLE at 20 °C
Other Information	COLOUR: OFF WHITE EVAP. RATE (BUTYL ACETATE=1): NAp

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability	Stable
Conditions to Avoid	Avoid contamination with reactive substances.
Incompatibility	Avoid contact with acidic, basic or oxidizing agents.

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Hazardous Products of Decomposition Carbon monoxide. Oxides of phosphorus. Carbon dioxide. Phosphine gas.

Hazardous Polymerization (Conditions to avoid) Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Tested as mildly irritating to eyes and skin (rbt).

Acute Oral Toxicity LD50(mg/kg): 2860 (RAT)

Acute Dermal Toxicity LD50(mg/kg): >2000(RBT)

Acute Inhalation Toxicity LC50(mg/l): >5 (RAT)

Assessment Carcinogenicity

ACGIH

None

NTP

None

IARC

OSHA

None

SECTION 12. ECOLOGICAL INFORMATION

Ecological Information No data at this time

Additional Environmental Information No data at this time.

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance Disposal should be made in accordance with federal, provincial and local regulations.

RCRA Classification

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SECTION 14. TRANSPORT INFORMATION

CANADIAN TDG DESCRIPTION (ROAD & RAIL)
Not dangerous for transport by road/rail in Canada.
UN/NA NUMBER: NONE
PLACARDS: NONE
IATA: NOT REGULATED FOR TRANSPORTATION
IMO IMDG-code: NONE

SECTION 15. REGULATORY INFORMATION

This product is registered under the Pest Control Act.
PCP# 24458
WHMIS HAZARD CLASS: D2B TOXIC MATERIALS
WHMIS TRADE SECRET: Exempt
CANADIAN INVENTORY: This product is currently exempt from CEPA.
HAZARD RATING SYSTEMS
HMIS: FLAMMABILITY 1 , REACTIVITY 0 , HEALTH 2 NFPA: FLAMMABILITY 1 , REACTIVITY 0 , HEALTH 2

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US Federal Regulations

TSCA list

Crystalline Silica (Quartz) 14808-60-7

TSCA 12b export notification

None

SARA Title III - section 302 - notification and information

None

SARA Title III - section 313 - toxic chemical release reporting

None

US States Regulatory Reporting

CA Prop65

This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

US State right-to-know ingredients

None

Canadian Regulations

Canadian Domestic Substance List

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Environmental

CERCLA

None

Clean Water Section 307 Priority Pollutants

None

Safe Drinking Water Act Maximum Contaminant Levels

None

International Regulations

EU Classification

None

European Inventory of Existing Commercial Substances (EINECS)

ALUMINUM TRIS (O-ETHYL

39148-24-8

PHOSPHONATE)

Crystalline Silica (Quartz)

14808-60-7

SECTION 16. OTHER INFORMATION

Prepared by: The HSE Department of Bayer CropScience Inc.

Phone: (306) 721-0310

Approval Date: 12.02.2004

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