

SAFETY DATA SHEET

FLUTE®

Date of Issue: 4 June 2019

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Cyflufenamid in the form of an oil in water emulsion

Recommended use: Agricultural fungicide

Supplier: Etec Crop Solutions Limited

PO Box 51584 Pakuranga Auckland

Phone 0800 100 325

Emergency telephone number: 0800 Poison (0800 764 766) 24 Hours

2. HAZARDS IDENTIFICATION

Hazard Classification: 6.1E, 6.3A,6.4A,6.9B,9.1B

Harmful by inhalation

Irritating to skin. Irritating to eyes. May cause liver damage if

swallowed

Toxic to aquatic organisms, may cause long-term adverse

effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Cyflufenamid	180409-60-3	≥ 5.0
Organic solvent	64742-94-5	18.0
Additives		36.3
Preservatives	2634-33-5	0.2
Water		≤ 40.5

4. FIRST-AID MEASURES

Description of necessary first aid measures:

Effects and symptoms

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First-aid measures

Inhalation: Remove to fresh air and call a physician.

Ingestion: Do not induce vomiting. Immediately wash out mouth with

water and call a physician.

Skin contact: Wash skin with soap and water. If irritation persists, get

medical attention.

Eye contact: Immediately flush eyes with plenty of (warm) water for at

least 15 minutes. Get medical help if irritation persists.

Notes to a physician:

5. FIRE-FIGHTING MEASURES

HAZCHEM Code: 2XE

Extinguishing media: Dry chemicals, carbon dioxide, alcohol foam or water spray.

Unusual fire and explosion hazards: Thermal decomposition or combustion may produce carbon dioxide, carbon monoxide, hydrogen fluoride and nitrogen

oxides

Protection of fire-fighters: Use self-contained breathing apparatus and complete

personal protective equipment.

Other information: Move containers away from fire areas if it can be done

without risk. If impossible to remove containers from fire

zone, cool them with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 for personal protective equipment.

Remove ignition sources, and avoid skin and eye contact.

Environmental precautions: Prevent from entering the drains, ditches or rivers. Obey local

regulations for health and safety and environment protection when accidental spills are treated. Do not discharge treated

water to river, sea, lake, waterway, etc.

Methods for cleaning up: Large quantities: Remove with vacuum truck. Wash spill site

with soap and plenty of water after material pick-up is

complete.

Small quantities: Remove with inert absorbent (e.g. sand or vermiculite), and place in a closed container and hold for waste disposal. Wash spill site with soap and plenty of water

after material pick-up is complete.

7. HANDLING AND STORAGE

Handling: Refer to section 8 for personal protective equipment. Do not

breathe gas/ fumes/ vapour/spray. Avoid contact with skin

and eyes. Handle as a combustible liquid.

Storage: Keep in container tightly closed. Store in a cool dry place.

Avoid direct contact with water, acids or bases.

Specific use:The recommendations for specific use are contained in above

description.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Workplace Exposure Guidelines

Workplace exposure standards:

Exposure limit values: **Engineering measures**

Not listed

Exposure control measures:

Ventilation specification: Use general and/or local exhaust ventilation to control

vapour.

Personal Protective Equipment

Detail specifications for equipment: Respiratory protection: Appropriate respirator for organic

compound vapour.

Hand protection: Gloves material, e.g. outside: rubber, vinyl

chloride resin; inside: cotton, rayon. Eye protection: Use safety goggles.

Skin protection: Wear suitable working clothes, hand

protection and boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State, odour & colour: Viscous liquid. Off-white to pale yellow. Aromatic odour

pH: NA
Vapour Pressure: NA
Freezing/melting point: NA
Boiling Point: NA

Solubility: Insoluble but easily emulsible

Specific gravity or density: 1.028 (AT 20°C)

Flashpoint: 112°C (Cleaveland open cup)

Explosion properties:

Flammability: Flammable

10. STABILITY AND REACTIVITY

Stability:

Conditions to avoid: High temperature.

Materials to avoid: Strong oxidizing agents, strong acids or bases.

Hazardous decomposition Products: Carbon oxides, nitrogen oxides, methyl sulphide, sulphur

dioxide, and hydrogen chloride.

Hazardous polymerization:

Specific Data:

Hazardous reactions:

11. TOXICOLOGICAL INFORMATION

Acute toxicity - Oral: LD50: >5000 mg/kg
Acute toxicity - Dermal: LD50: >2000 mg/kg

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Skin irritation:

Eye irritation: Slight (rabbit)

Dermal: Moderate (rabbit); Negative (guinea pig.

Carcinogenicity:

Mutagenicity:

Ames test: Negative (as active ingredient)

Chromosomal aberration test (Chinese hamster lung): Negative (as active ingredient)

12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute toxicity for fish (rainbow trout): LC50: 9.84 mg/l (96hrs)
Acute toxicity for Daphnia: EC50: 9.48 mg/l (48hrs)
Acute toxicity for Algae: EbC50: 1.628 mg/l (72hrs)

Mobility:Not availablePersistence and degradability:Not availableBio-accumulative potential:Not available

13. DISPOSAL CONSIDERATIONS

Methods of disposal: Do not discharge into waterway or sewer systems unless

permission has been obtained by the local authority and suitable dilution has been established. Contaminated empty containers must be disposed of as chemical waste. Obey all local regulations for health and safety and environment

protection.

14. TRANSPORT INFORMATION - International transport regulations

UN number: 3082 Class or Division: 9

Sub Class:

Packing Group: III
Marine Pollutant: P

Proper shipping name : Environmentally hazardous substance, Liquid, N.O.S.

(contains cyflufenamid)

Segregation Requirements:

15. REGULATORY INFORMATION

ACVM Registered Number: Registered pursuant to the ACVM Act 1997, No. P9077

HSNO Approval Code: HSNO HSR100834

16. OTHER INFORMATION

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Additional information:

Original Issue Date: 01 October 2014

Revision Date: 4 June 2019

Replaces: ES375

Disclaimer

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