



SAFETY DATA SHEET

FLUTE®

Date of Issue: 1 September 2021

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: UPL New Zealand Limited
PO Box 51584, Pakuranga
Auckland
Phone 0800 100 325
www.upl-ltd.com/nz

Emergency telephone number: 0800 CHEM CALL (0800 243 622) 24 Hours

2. HAZARDS IDENTIFICATION

Hazard Classification: 6.1E, 6.3A, 6.4A, 6.9B, 9.1B
Required identification Details: **Signal Word: WARNING**
Keep out of reach of Children.
Read label before use.

May be harmful if inhaled.
May cause skin and eye irritation.
May cause liver damage from repeated oral exposure at high doses.
Toxic to aquatic organisms

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:

General information:

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

Fire and Explosion Hazards:

Hazchem code:

2XE

Extinguishing media:

Dry chemicals, carbon dioxide, alcohol foam or water spray.

Hazardous thermal

Thermal decomposition or combustion may produce carbon dioxide, carbon monoxide, hydrogen fluoride and nitrogen oxides

(de)composition products:

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

Accidental release:

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

Workplace Exposure Guidelines

Exposure Standards:

Not listed.

Engineering measures

Exposure control measures:

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

Personal Protective Equipment

Detail specifications for equipment:

Respiratory system:

Appropriate respirator for organic compound vapour.

Skin and body:

Wear suitable working clothes, hand protection and boots.

Hands:

Gloves material, e.g. outside: rubber, vinyl chloride resin; inside: cotton, rayon.

Eyes:

Use safety goggles.

General hygiene:

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Colour, Odour.	Viscous liquid. Off-white to pale yellow. Aromatic odour.
pH:	NA
Vapour Pressure:	NA
Boiling Point:	NA
Flash Point:	112°C (Cleaveland open cup)
Freezing/melting point:	NA
Solubility:	Insoluble but easily emulsible.
Specific Gravity/Density:	1.028 (AT 20°C)
Flammability:	Flammable
Information for flammable material:	
Viscosity:	
Octanol/water partition coefficient:	
Evaporation rate:	
Oxidation Properties:	

10. STABILITY AND REACTIVITY

Stability:	
Conditions to avoid:	High temperature.
Materials to avoid:	Strong oxidizing agents, strong acids or bases.
Hazardous Decomposition	Carbon oxides, nitrogen oxides, methyl sulphide, sulphur dioxide, and hydrogen chloride.
Products:	
Hazardous polymerization:	

11. TOXICOLOGICAL INFORMATION

<u>Asulam (Sodium Salt):</u>	
Acute toxicity – Oral:	LD ₅₀ >5000 mg/kg
Acute toxicity – Dermal:	LD ₅₀ >2000 mg/kg
Inhalation:	LD ₅₀ >4.41 mg/l (4hr) (maximum practicable concentration)
Skin contact:	
Eye irritation:	Slight (rabbit)
Dermal:	Moderate (rabbit); Negative (guinea pig)
<u>Chronic toxicity</u>	
Carcinogenicity:	
Mutagenicity:	
Ames test:	Negative (as active ingredient)
Chromosomal aberration test:	(Chinese hamster lung): Negative (as active ingredient)

12. ECOLOGICAL INFORMATION

Ecotoxicity:	
Aquatic	LC ₅₀ rainbow trout: 9.84 mg/l (96hrs) EC ₅₀ daphnia: 9.48 mg/l (48hrs) EC ₅₀ algae: 1.628 mg/l (72hrs)
Birds	
Bioaccumulation:	Not available
Degradability:	Not available
Mobility:	Not available

13. DISPOSAL CONSIDERATIONS

Methods of disposal:

Ideally, the product should be used for its intended purpose. 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.

Empty container precautions:



Ensure the container is empty. Triple rinse empty container and add rinsate to the spray tank. Recycle empty container through Agrecovery. Otherwise crush and bury in a suitable landfill. DO NOT reuse this container for any other purpose.

14. TRANSPORT INFORMATION - International transport regulations

UN number:	3082
Hazchem code:	2XE
Class or Division:	9
Subsidiary Class:	
Packing Group:	III
Marine Pollutant:	No
Proper shipping name:	Environmentally hazardous substance, Liquid, N.O.S. (contains cyflufenamid)

INTERNATIONAL AIR
TRANSPORT ASSOCIATION
(IATA):

15. REGULATORY INFORMATION

ACVM Registered Number:	P9077
HSNO Approval Code:	HSR100834

16. OTHER INFORMATION

Additional information:

Original Issue Date: 01 October 2014

Revision Date: 1 September 2021

Replaces: ES523

Disclaimer EXCLUSION OF LIABILITY: PLEASE READ

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