

Flute 50 EW Fungicide

Date of Issue: July 2016

1. IDENTIFICATION**Product Identifier:** Flute[®] 50 EW Fungicide**Other Means of Identification:** None**Recommended Use of the Chemical and Restrictions on Use:** Fungicide for agricultural use**Details of Manufacturer or Importer:** AgNova Technologies Pty Ltd
Suite 3/935 Station Street
Box Hill North Vic 3129 Australia
(03) 9899 8100
www.agnova.com.au**Emergency Phone Number:** 1800 033 111 (24 hrs)
Poisons Information Centre 13 11 26**2. HAZARD(S) IDENTIFICATION**

Signal word: Warning

GHS Hazard Class and Category: (as determined by Safe Work Australia)Skin Irritation – Category 2: 'Warning'

Hazard Statement: H315 Causes skin irritation.

Precautionary Statements:**Prevention**

P264 Wash hands thoroughly after handling

P280 Wear chemical resistant protective gloves.

Response

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P321: Specific treatment (see Safety Directions and First Aid sections on label).



SAFETY DATA SHEET

Flute 50 EW Fungicide

Date of Issue: July 2016

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

Storage

No additional information

Disposal

No additional information

ADG

Not classified as Dangerous Goods for Land Transport. Refer

Classification: section 14

SUSMP Poison Schedule 5

Classification: (Standard for Uniform Scheduling of Medicines and Poisons)

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Concentration (%):
Cyflufenamid	180409-60-3	5
Solvent Naphtha, (Petroleum), heavy	64742-94-5	10 - < 30
1,2-Benzisothiazole-3-(2H)one	2634-33-5	< 10
Other non-hazardous ingredients		balance

4. FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poisons Information Centre (Phone 13 11 26), and follow the advice given. Show this Safety Data Sheet to a doctor.

Description of Necessary First Aid Measures:

Ingestion: Do not induce vomiting. Immediately wash out mouth with water and call a physician.

Inhalation: Remove to fresh air and call a physician

Skin Contact: Wash skin thoroughly with soap and water. If irritation persists, get medical attention.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical help if irritation persists.

First Aid Facilities: Provide washing facilities in the workplace.



SAFETY DATA SHEET

Flute 50 EW Fungicide

Date of Issue: July 2016

**Symptoms
Caused by
Exposure:** No data available

**Medical
Attention and
Special
Treatment:** No special antidote. Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

**Suitable
Extinguishing
Equipment:** Dry chemicals, carbon dioxide, alcohol foam or water spray.

**Specific
Hazards Arising
from the
Chemical:** Thermal decomposition or combustion may produce carbon dioxide, carbon monoxide, hydrogen fluoride and nitrogen oxides.

**Special
Protective
Equipment and
Precautions for
Fire Fighters:** Use self-contained breathing apparatus and complete personal protective equipment. 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,
Protective
Equipment and
Emergency
Procedures:** Refer to Section 8 for personal protective equipment. Remove ignition sources, and avoid skin and eye contact. Obey Federal, State and local regulations for health & safety and environment protection when accidental spills are treated.

**Environmental
Precautions:** Do not discharge treated water to river, sea, lake, waterway etc. directly without the approval of the appropriate authority as this product is very toxic to aquatic organisms.

**Methods and
Materials for
Containment
and 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.



SAFETY DATA SHEET

Flute 50 EW Fungicide

Date of Issue: July 2016

7. HANDLING AND STORAGE

Precautions for Safe Handling:	Refer to Safety Directions on label and Section 8 of this SDS for personal protective equipment. Do not breathe vapour or spray. Avoid contact with skin and eyes.
Conditions for Safe Storage, including any Incompatibilities:	Keep in container tightly closed. Store in a cool dry place. Avoid direct contact with water, acids or bases.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:	No exposure standard allocated
Biological Monitoring:	No data available
Control Banding:	No data available
Engineering Controls:	When handled indoors, use general and/or local exhaust ventilation to control vapour.
Individual Protection Measures, for example, Personal Protective Equipment (PPE):	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

Appearance:	Whitish emulsion with no separated or floating materials
Odour:	Aromatic
pH:	5.0
Relative Density:	1.03 g/mL at 20°C
Boiling Point:	Not available
Melting Point:	Not applicable



SAFETY DATA SHEET

Flute 50 EW Fungicide

Date of Issue: July 2016

Solubility: Insoluble
Dilution Stability: Stable (1% solution)
Specific Gravity: 1.028 (at 20°C)
Flash Point: 112°C (Cleveland open cup)

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal storage conditions.

Possibility of Hazardous Reactions: None known

Conditions to Avoid: High temperature.

Incompatible Materials: Strong oxidizing agents, strong acids or bases.

Hazardous Decomposition Products: Carbon oxides, nitrogen oxides, methyl sulfide, sulfur dioxide, and hydrogen chloride.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Acute Oral Toxicity: LD₅₀ (rat) >5000 mg/kg
Acute Dermal Toxicity: LD₅₀ (rat) >2000 mg/kg
Acute Inhalation Toxicity: LC₅₀ (rat) >4.41 mg/L (4hr) (maximum practicable concentration).

Subacute Toxicity: 90-days Repeated Dose (rat): Not available

Skin Corrosion/Irritation: Dermal (rabbit): Moderate

Serious Eye Damage/Irritation: Eyes (rabbit): Slight



SAFETY DATA SHEET

Flute 50 EW Fungicide

Date of Issue: July 2016

Respiratory or Skin Sensitisation:	Dermal (guinea pig): Negative
Germ Cell Mutagenicity:	Ames test: Negative (as active ingredient) Chromosomal aberration test (Chinese hamster lung): Negative (as active ingredient)
Carcinogenicity :	No data available
Reproductive Toxicity:	No data available
Specific Target Organ Toxicity (STOT) – single exposure:	No data available
Specific Target Organ Toxicity (STOT) – repeated exposure:	No data available
Aspiration Hazard:	No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Acute Toxicity for Fish (Rainbow trout): LC ₅₀ : 9.84 mg/L (96hrs) Acute Toxicity for Daphnia: EC ₅₀ : 9.48 mg/L (48hrs) Acute Toxicity for Algae: ErC ₅₀ : 1.628 mg/L (72hrs)
Persistence and Degradability:	Not available.
Bioaccumulative Potential:	Not available
Mobility in Soil:	Not available



SAFETY DATA SHEET

Flute 50 EW Fungicide

Date of Issue: July 2016

13. DISPOSAL CONSIDERATIONS

Disposal Methods, including Disposal of Containers:

Follow directions on label.

Product would be treated, stored, transported, and disposed of according to local regulations. Do not flush to surface water or sanitary sewer system.

Special Precautions for Landfill or Incineration:

None.

14. TRANSPORT INFORMATION

Transport Classification:	Road and Rail Transport: Not dangerous goods under the ADG7 when being transported in IBCs or other receptacles <500 L (kg), (Special Provision AU01). Marine and Air: Classified as Dangerous Goods for transport by sea and air according to the criteria of the UN Model Regulations for Transport of Dangerous Goods 13 th Edition
UN Number:	3082
Proper Shipping Name or Technical Name:	Environmentally hazardous substance, liquid, N.O.S.(Cyflufenamid mixture)
Transport Hazard Class:	9
Packing Group:	III
Environmental Hazards for Transport Purposes:	Marine pollutant
Special Precautions for User:	None specified
Hazchem Code:	3Z



SAFETY DATA SHEET

Flute 50 EW Fungicide

Date of Issue: July 2016

15. REGULATORY INFORMATION

APVMA Registered according to the Agricultural and Veterinary Chemicals Act 1994.
APVMA Product Number: 66036

SUSMP Schedule 5

16. OTHER INFORMATION

Edition: Updated version

Revision Due: July 2016

Reason for Revision: To comply with GHS

Abbreviations and Acronyms: ADG7 - Australian Dangerous Goods Code for Transport by Road and Rail, 7th Edition
APVMA – Australian Pesticides and Veterinary Medicines Authority
GHS – Globally Harmonized System of Classification and Labelling of Chemicals
IBC – Intermediate Bulk Container
SUSMP – Standard for the Uniform Scheduling of Medicines and Poisons

Data Sources: Manufacturer product safety data and published data

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

The opinions expressed herein are those of qualified experts with the manufacturer. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of AgNova Technologies Pty Ltd, it is the user's obligation to determine the conditions of safe use of the product.

END OF SDS