

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form	: Mixture
Product name	: Fountain
Product code	: AM 116 C0000
Type of formulation	: -
Active Ingredient	: Fludioxinil and Tebuconazole
MAPP	: 17708

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Main use category	: Plant protection product for professional use. Agriculture.
Use of the substance/mixture	: Fungicide.

#### 1.2.2. Uses advised against

No additional information available.

### 1.3. Details of the supplier of the safety data sheet

#### Supplier:

Agricultural Solutions UK Ltd  
Unit 15, Thathcham  
Buissness Village Colthrop Way,

#### Distributor:

CERTIS UK  
Suite 5, 3 Riverside  
Granta Park  
Great Abington  
Cambridgeshire CB21 6AD  
United Kingdom  
Tel: +44 (0)845 373 0305  
Fax: +44 (0)1223 891210  
Email: [infocertisuk@certiseurope.com](mailto:infocertisuk@certiseurope.com)  
Website: [www.certiseurope.co.uk](http://www.certiseurope.co.uk)

### 1.4. Emergency telephone number

Emergency number	: Certis Carechem24 multilingual 24 hours emergency number: +44 (0) 870 190 6777. For advice on medical emergencies, fires, spillages or chemical hazards only –phone: 0870 190 6777. For further advice for medical professionals - The National Poisons Information Service: Tel: 0870 600 6266 (UK only) or Dublin Tel: 0035 3 137 99 64/379966. For further advice for veterinary surgeons: 020 7635 9195.
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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aquatic Chronic 1 H410

Full text of hazard classes and H-statements : see section 16.

**Adverse physicochemical, human health and environmental effects**

No additional information available

**2.2. Label elements**

**Labeling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP)



GHS09

Signal word (CLP)

: Warning.

Hazard statements (CLP)

: H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P102 - Keep out of reach of children.  
 P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

EUH phrases

: EUH208 – Contains 1,2-Benzisothiazolin-3-one . May produce an allergic reaction  
 EUH401 - To avoid risks to human health and the environment, comply with the instructions for use.

Additional phrases

: SP1 - Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads)

**2.3. Other hazards**

No additional information available

**SECTION 3: Composition/Information on ingredients**

**3.1. Substance**

Not applicable

**3.2. Mixture**

Name	Product identifier	% (w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethoxylated Polyarylphenol	(CAS No) 99734-09-5	13 - 16	Aquatic Chronic 3, H412
Fluidioxonil	(CAS No) 131341-86-1	4 - 6	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
Tebuconazol	(CAS No) 107534-96-3 (EC no) 403-640-2 (EC index no) 603-197-00-7	0.5 - 1.5	Acute Tox. 4 (Oral), H302 Repr. 2, H361d Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=10)

Full text of H- phrases: see section 16

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

First-aid measures general

: In the event of any complaints or symptoms, avoid further exposure.

First-aid measures after inhalation	: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist call a doctor.
First-aid measures after skin contact	: IF ON SKIN: Wash with plenty of soap and water. Remove contaminated clothing and shoes. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for at least 15 minutes, also under eyelides. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist.
First-aid measures after ingestion	: IF SWALLOWED: Immediately call a POISON CENTER or doctor. Never give anything by mouth to an unconscious person. Drink plenty of water.

**4.2. Most important symptoms and effects, both acute and delayed**

Symptoms/injuries : No information available

**4.3. Indication of any immediate medical attention and special treatment needed**

The first aid procedure should be established in consultation with the doctor responsible for industrial medicine

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

Suitable extinguishing media : Water spray  
 Dry chemical powder  
 Alcohol resistant foam  
 Carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media : Water spray jet.

**5.2. Special hazards arising from the substance or mixture**

Fire hazard : Combustion or thermal decomposition may generate toxic vapours.

**5.3. Advice for firefighters**

Firefighting instructions : Exercise caution when fighting any chemical fire.  
 Fight fire from safe distance and protected location.  
 Do not breathe fumes  
 Cool closed containers exposed to fire with water spray  
 If possible, take the containers out of dangerous zone.  
 Contain fire-fighting water with dikes or absorbents to prevent migration and entry into sewers, streams or groundwater.

Protection during firefighting : Wear suitable protective clothing, gloves, eye/face protection and respiratory protection  
 Wear a self-contained breathing apparatus.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Protective equipment : Wear suitable protective clothing, gloves and eye/ face protection.

Emergency procedures : Evacuate area.  
 Ensure adequate ventilation.  
 Avoid direct contact with the substance.  
 Contain any spills with dikes or absorbents to prevent migration and entry into sewers, streams or groundwater.

## 6.2. Environmental precautions

Prevent entry to sewers and public waters.

Notify the authorities if product enters sewers or public waters.

## 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it.

Once absorbed collect spilled material with shovels, buckets and place in closed containers and label properly.

Remove as chemical waste, according to national or local legislation.

In the event of major spillage: contact an expert.

## 6.4. Reference to other sections

See Section 7 for information on handling and storage. See Section 8 for information on PPE . See section 13 on information regarding waste disposal.

# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

Precautions for safe handling : Read label before use.

Avoid contact with eyes, skin, nose and mouth.

Wear suitable protective clothing, gloves and eye/face protection.

Opened containers must be carefully closed and kept upright to avoid leakage.

Hygiene measures : Always wash your hands immediately after handling this product, and once again before leaving the workplace.

Contaminated work clothing should not be allowed out of the workplace.

Do not eat, drink or smoke when using this product.

Wash contaminated clothing before reuse.

## 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Provide adequate ventilation.

Storage conditions : Prevent unauthorised access.

Keep locked up and out of the reach of children.

Keep in original containers, tightly closed.

Keep away from food, drink and animal feedingstuffs.

Protect against frost.

Keep away from heat and direct sunlight.

## 7.3. Specific end use(s)

Fungicide. For agricultural use. Refer to the label.

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

No additional information available

## 8.2. Exposure controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection : Wear impervious gloves resistant to chemical. Nitrile rubber.

Eye protection	: Safety goggles or a face shield.
Skin and body protection	: Protective clothing with long sleeves waterproof and resistant to chemicals. Rubber boots.
Respiratory protection	: Wear appropriate respirator for dust / organic vapors.
Hygiene measures	: Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke while handling the product. Clean gloves with soap and water before removing. Wash hands and face with soap and water before eating, drinking smoking and immediately after handling product. Clean equipment, premises and work clothes regularly. Work clothing should remain on the work area and stored separately from street clothes.
Environmental exposure controls	: Discharge into the environment must be avoided. Do not contaminate surface and groundwater.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Red.
Odour	: Organic
pH	: 6 - 8.5
Flash point	: > 100 °C
Auto-ignition temperature	: 445
Relative density	: 1.07 - 1.12
Viscosity, kinematic	: 101.3
Explosive properties	: It is not explosive.
Oxidizing properties	: No oxidising properties.
Surface tension	: 35 °C

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is stable at normal handling and storage conditions.

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

Is not explosive and does not exhibit oxidant properties.

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Combustion or thermal decomposition may generate toxic vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Not classified
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Fountain	
LD50 oral rat	5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat	> 5.05 mg/l/4h

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Fountain	
LC50 fish ( <i>Oncorhynchus mykiss</i> )	12,3 mg/l ( 96h)
EC50 Daphnia	19,5 mg/l (48h)
EC50 ( <i>P.subcapitata</i> )	16,29 (72h)

Fludioxonil	
LD50 oral birds	>2000 mg/kg
LD50 oral bees	>100 µg/bee

Tebuconazole	
LD50 oral birds	1988 mg/kg
LD50 oral bees	83,05 µg/bee

### 12.2. Persistence and degradability

Abiotic Degradation	
Water DT50 days (Tebuconazole)	365 (Insoluble in water)
Soil DT50 days (Fludioxinil)	119 - 365 (aerobic 20°C)
Soil DT50 days (Tebuconazole)	34,8 (aerobic 20°C)

Biodegradation	
Fludioxinil	Not readily biodegradable
Tebuconazole	Not readily biodegradable

### 12.3. Bioaccumulative potential

Partition Coefficient (n-octanol/water) Log Pow	
Fludioxinil	4,12

**Partition Coefficient (n-octanol/water) Log Pow**

Tebuconazole	3,7
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**Bioconcentration factor (BFC)**

Fludioxinil	366
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Tebuconazole	78
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**12.4. Mobility in soil**

Fludioxinil	12000 - 385000
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Tebuconazole	769
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**12.5. Results of PBT and vPvB assessment**

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

This mixture contains no substance considered to be very persistent and very bioaccumulative (vPvB).

**12.6. Other adverse effects**

No additional information available

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.

**SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

**14.1. UN number**

UN-No. (ADR) : 3082

**14.2. UN proper shipping name**

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fludioxinil)

Transport document description (ADR) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fludioxinil), 9, III

**14.3. Transport hazard class(es)**

Class (ADR) : 9

Hazard labels (ADR) : 9



**14.4. Packing group**

Packing group (ADR) : III

**14.5. Environmental hazards**

Dangerous for the environment :



**14.6. Special precautions for user**

**14.6.1. Overland transport**

Hazard identification number (Kemler No.) : 90

Orange plates :



**14.6.2. Transport by sea**

No additional information available

**14.6.3. Air transport**

No additional information available

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.1.1. EU-Regulations**

Contains no REACH substances with Annex XVII restrictions

Contains no REACH candidate substance

Contains no REACH Annex XIV substances.

**15.2. Chemical safety assessment**

No additional information available

**SECTION 16: Other information**

Source of Information : Safety Data Sheet of Fountain of Adama. Revision Date: 19. October.2016. Vesion: 1.0

Full text of H- and EUH-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Repr. 2	Reproductive toxicity Category 2
H302	Harmful if swallowed
H361d	Suspected of damaging the unborn child
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
EUH208	Contains . May produce an allergic reaction
EUH401	To avoid risks to human health and the environment, comply with the instructions for use