

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 and Regulation (EC) No. 453/2010



## MYSTIC EW

Version 3.0

Revision Date 14.11.2016

Print Date 14.11.2016

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

#### 1.1 Product identifier

Trade name : MYSTIC EW

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

Use of the Substance/Mixture : Fungicide

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

Company : Nufarm S.A.S  
28 boulevard Zéphirin Camélinat  
92230 Gennevilliers  
Telephone : +330140855050  
Telefax : +330147922545  
E-mail address : FDS@fr.nufarm.com  
Responsible/issuing person

#### 1.4 Emergency telephone number

Nufarm S.A.S. : +33 1 40 85 51 15  
National emergency telephone number : not available

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4	H302: Harmful if swallowed.
Acute toxicity, Category 4	H312: Harmful in contact with skin.
Skin corrosion/irritation, Category 2	H315: Causes skin irritation.
Serious eye damage/eye irritation, Category 2	H319: Causes serious eye irritation.
Reproductive toxicity, Category 2	H361d: Suspected of damaging the unborn child.
Acute aquatic toxicity, Category 1	H400: Very toxic to aquatic life.
Chronic aquatic toxicity, Category 1	H410: Very toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:	  
Signal word	:	Warning
Hazard statements	:	H302 Harmful if swallowed. H312 Harmful in contact with skin.

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	<b>H315</b>	Causes skin irritation.
	<b>H319</b>	Causes serious eye irritation.
	<b>H361d</b>	Suspected of damaging the unborn child.
	<b>H410</b>	Very toxic to aquatic life with long lasting effects.
Precautionary statements	<b>Prevention:</b>	
	<b>P280</b>	Wear protective gloves/ protective clothing/ eye protection/ face protection.
	<b>Response:</b>	
	<b>P301 + P312</b>	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
	<b>P302 + P352</b>	IF ON SKIN: Wash with plenty of soap and water.
	<b>P305 + P351 + P338</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	<b>Storage:</b>	
	<b>P405</b>	Store locked up.
	<b>Disposal:</b>	
	<b>P501</b>	Dispose of contents/ container to an approved waste disposal plant.

### Additional Labelling:

SP 1 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).

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

### 2.3 Other hazards

A Chemical Safety Assessment is not required for this mixture.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Aqueous emulsion (EW)

#### Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol	107534-96-3 403-640-2 / 403-640-2	Repr. 2; H361d Acute Tox. 4; H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	26 %

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N,N-dimethyldecan-1- amide	14433-76-2 238-405-1	Acute Tox. 4; H312, H302 Skin Irrit. 2; H315 Eye Dam. 1; H318	50% - 75%
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For the full text of the H-Statements mentioned in this Section, see Section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- If inhaled : If breathed in, move person into fresh air.  
Consult a physician after significant exposure.
- In case of skin contact : Take off all contaminated clothing immediately.  
Wash immediately affected parts with plenty of water and soap.
- In case of eye contact : Rinse thoroughly with plenty of water for at least 15 minutes  
and consult a physician.
- If swallowed : Clean mouth with water.  
Do NOT induce vomiting.  
If swallowed, seek medical advice immediately and show this  
container or label.

#### 4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Symptomatic treatment

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media : Water spray, Dry powder, Foam, Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing  
media : High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

- Specific hazards during  
firefighting : As the product contains combustible organic components, fire  
will produce dense black smoke containing hazardous  
products of combustion. Exposure to decomposition products  
may be a hazard to health.
- Hazardous combustion  
products : In the event of fire (CO<sub>x</sub>) may be formed.

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### 5.3 Advice for firefighters

- Special protective equipment for firefighters : Use personal protective equipment. In the event of fire, wear self-contained breathing apparatus.
- Further information : Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : Refer to protective measures listed in section 8.

### 6.2 Environmental precautions

- Environmental precautions : Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and materials for containment and cleaning up

- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, universal binder ...).  
Pick up and transfer to properly labelled containers.
- Never return spills in original containers for re-use.

### 6.4 Reference to other sections

- For personal protection see section 8.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8.
- Hygiene measures : Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and at the end of workday.

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

- Requirements for storage areas and containers : Keep out of reach of children. Store in original container. Store at temperature above - 5°C
- Store in a locked ventilated room with controlled access (Key,

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door code...).

Advice on common storage : Keep away from food, drink and animal feeding stuffs.

### 7.3 Specific end use(s)

Specific use(s) : none

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

If the sub-section is blank, no value is applicable.

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Safety goggles

#### Hand protection

Material : Nitrile gloves

Skin and body protection : Long sleeved clothing

Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.

#### Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : pale, yellow

Odour : amine like

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Odour Threshold	: No data available
pH	: 8,96
Melting point/range	: 105 °C Active substance
Boiling point/boiling range	: Decomposition Active substance
Flash point	: > 100 °C Method: EEC A9
Evaporation rate	: Not applicable
Flammability (solid, gas)	: Not applicable
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: Not applicable
Relative density	: No data available
Density	: 0,96 g/cm <sup>3</sup> at 20 °C
Water solubility	: 0,036 g/l pH: 7,2
Solubility in other solvents	: > 200 g/l at 25 °C Medium: Acetone  > 200 g/l at 25 °C Medium: Dimethylformamide
Partition coefficient: n-octanol/water	: log Pow: 3,7 at 20 °C pH: 7
Auto-ignition temperature	: > 400 °C Method: EEC A15
Ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: 421,8 mPa.s at 20 °C Method: OECD Test Guideline 114  224,1 mPa.s at 40 °C Method: OECD Test Guideline 114
Viscosity, kinematic	: No data available

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- Explosive properties : Not explosive
- Oxidizing properties : The substance or mixture is not classified as oxidizing.

### 9.2 Other information

- Surface tension : 37,34 mN/m, 20 °C

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended storage conditions.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

### 10.4 Conditions to avoid

Conditions to avoid : No decomposition if stored and applied as directed.

### 10.5 Incompatible materials

Materials to avoid : No data available

### 10.6 Hazardous decomposition products

Hazardous decomposition products : No data available

Other information : No data available

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Product

STOT - single exposure : No data available

STOT - repeated exposure : No data available

#### Components:

**1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol :**

Acute oral toxicity : LD50 Rat: 1.700 mg/kg

Acute inhalation toxicity : LC50 Rat: > 5,093 mg/l

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	Exposure time: 4 h
Acute dermal toxicity	: LD50 Rat: > 2.000 mg/kg
Skin corrosion/irritation	: Species: Rabbit Result: No skin irritation
Serious eye damage/eye irritation	: Species: Rabbit Result: No eye irritation
Respiratory or skin sensitisation	: Species: Guinea pig Result: Did not cause sensitization.
Carcinogenicity	: Not carcinogenic
Reproductive toxicity	: Species: Rat NOAEL: 72,3 mg/kg, Test substance: Tebuconazole
Teratogenicity	: Species: Rat 30 mg/kg Test substance: Tebuconazole  Species: Rabbit 10 mg/kg Test substance: Tebuconazole
Further information	: Mutagenicity Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): 24 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 24,7 mg/l Exposure time: 48 h
Toxicity to algae	: EC50 (Pseudokirchneriella subcapitata): 3,9 mg/l Exposure time: 72 h
Toxicity to terrestrial organisms	: LC50: > 1.000 mg/kg Exposure duration: 14 d



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Species: Earthworms

> 100 µg/bee, oral  
Species: Apis mellifera (bees)

> 100 µg/bee, contact  
Species: Apis mellifera (bees)

### Components:

#### **1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol :**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 4,4 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2,79 mg/l  
Exposure time: 48 h

Toxicity to algae : EbC50 (Scenedesmus subspicatus): 1,96 mg/l  
Exposure time: 72 h

EbC50 (Lemna gibba (gibbous duckweed)): 0,144 mg/l  
Exposure time: 7 d

Toxicity to terrestrial organisms : LD50: > 83,05 µg/bee, oral  
Exposure duration: 2 d  
Species: Apis mellifera (bees)

LD50: > 200 µg/bee, contact  
Exposure duration: 2 d  
Species: Apis mellifera (bees)

### **12.2 Persistence and degradability**

#### Product:

Biodegradability : No data available

Physico-chemical removability : No data available

### **12.3 Bioaccumulative potential**

#### Product:

Bioaccumulation : No data available

Partition coefficient: n-octanol/water : log Pow: 3,7 at 20 °C

### **12.4 Mobility in soil**

#### Product:

Mobility : No data available

Surface tension : 37,34 mN/m at 20 °C

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### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : A Chemical Safety Assessment is not required for this mixture.

### 12.6 Other adverse effects

**Product:**

Additional ecological information : No other known adverse effects on the environment

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not empty into drains.  
Dispose of in accordance with local regulations.

Contaminated packaging : Do not re-use empty containers.  
Dispose of empty packages through the specific collection services.

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## SECTION 14: Transport information

### 14.1 UN number

ADR : 3082  
IMDG : 3082  
IATA : 3082

### 14.2 Proper shipping name

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID,  
N.O.S. (Tebuconazole)  
IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID,  
N.O.S. (Tebuconazole)  
IATA : ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID,  
N.O.S. (Tebuconazole)

### 14.3 Transport hazard class

ADR : 9  
IMDG : 9  
IATA : 9

### 14.4 Packing group

ADR  
Hazard Identification Number : 90  
Labels : 9  
Tunnel restriction code : (E)

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### IMDG

Packaging group : III  
Labels : 9  
EmS Number : F-A,S-F

### IATA

Packaging group : III  
Labels : 9

### 14.5 Environmental hazards

#### ADR

Environmentally hazardous : yes

#### IMDG

Marine pollutant : yes

#### IATA

Environmentally hazardous : yes

### 14.6 Special precautions for user

For personal protection see section 8.

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

Remarks : Not applicable

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## SECTION 15: Regulatory information

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

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this mixture.

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## SECTION 16: Other information

Acute Tox.	Acute toxicity
Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Eye Dam.	Serious eye damage

### Full text of H-Statements

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.

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H410 Very toxic to aquatic life with long lasting effects.

### Further information

Other information : This version replaces all previous versions.  
Alterations are indicated in the left hand margin by: ||  
Please note the convention used in this document for decimal points and commas for numerical values is as demonstrated by the example: 2,000 is two (to 3 decimal places) and not two thousand, whilst 1.000 is one thousand and not 1 (to 3 decimal places)

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