according to Regulation (EC) No. 1907/2006

Timpani

Version 1 (UK) Issuing date: 2014/11/25

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

: Timpani Trade name

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

Use fungicide

1.3. Details of the supplier of the safety data sheet

Nufarm UK Limited

Wyke Lane Wyke **Bradford**

West Yorkshire BD12 9EJ

United Kingdom

Telephone: +44 (0)1274 691234 Telefax: +44 (0)1274 691176

E-mail address: infouk@uk.nufarm.com

1.4. Emergency telephone number

+44 (0)1274 696603

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

EEC/99/45: T+ R26 - Very toxic by inhalation.

Χi R37 - Irritating to respiratory system.

Xn R40 - Limited evidence of a carcinogenic effect.

R41 - Risk of serious damage to eyes. Χi

R43 - May cause sensitization by skin contact. Χi Xn R63 - Possible risk of harm to the unborn child.

R51/53 - Toxic to aquatic organisms, may cause long-term

adverse effects in the aquatic environment.

EG_1272/08: AcuteTox.2 H330 - Fatal if inhaled.

Eyelrrit.2 H319 - Causes serious eye irritation. H317 - May cause an allergic skin reaction. SkinSens.1 H335 - May cause respiratory irritation. STOT_SE3 Carc.2 H351 - Suspected of causing cancer.

H361d - Suspected of damaging the unborn child. Repr.2

AquaticAcute1 H400 - Very toxic to aquatic life.

AquaticChronic1 H410 - Very toxic to aquatic life with long lasting effects.



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2.2. Label elements

according directive 1999/45/EG

Pictogram:





R26 - Very toxic by inhalation.

R37 - Irritating to respiratory system.

R40 - Limited evidence of a carcinogenic effect.

R41 - Risk of serious damage to eyes.

R43 - May cause sensitization by skin contact.
R63 - Possible risk of harm to the unborn child.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

S23 - Do not breathe gas/fumes/vapour/spray.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek

medical advice.

S28
 After contact with skin, wash immediately with plenty of water.
 S35
 This material and its container must be disposed of in a safe way.
 S36/37/39
 Wear suitable protective clothing, gloves and eye/face protection.
 In case of insufficient ventilation, wear suitable respiratory equipment.

- in case of insufficient ventuation, wear suitable respiratory equipment.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show

the label where possible).

S57 - Use appropriate container to avoid environmental contamination.

REGULATION (EC) No 1272/2008

Pictogram:



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Signal word: Danger

H330 - Fatal if inhaled.

H319 - Causes serious eye irritation.
H317 - May cause an allergic skin reaction.
H335 - May cause respiratory irritation.
H351 - Suspected of causing cancer.

H361d - Suspected of damaging the unborn child.
 H410 - Very toxic to aquatic life with long lasting effects.

EUH401 - To avoid risks to human health and the environment, comply with the instructions

for use.

P261 - Avoid breathing vapours or spray.

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.

P310 - Immediately call a POISON CENTER or doctor/ physician.

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

P352

P304 + - IF INHALED: Remove victim to fresh air and keep at rest in a position

P340 comfortable for breathing.

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

P313 P308 +

IF exposed or concerned: Get medical advice/ attention.

P313

P337 + - If eye irritation persists: Get medical advice/ attention.

P313

P403 + - Store in a well-ventilated place. Keep container tightly closed.

P233

P405 - Store locked up.

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.

2.3. Other hazards

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : suspension concentrate (SC)

250 g/L Chlorothalonil + 90 g/L Tebuconazole

3.2. Mixtures

Components:

Tebuconazole

CAS-No.: 107534-96-3
EINECS-No. / ELINCS No.: 403-640-2
REACH No.:
Concentration: 7.92 % (w/w)

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Classification:

EG_1272/08: Repr.Cat.2 H361 - Suspected of damaging fertility or the unborn child.

H302 - Harmful if swallowed. AcuteTox.4

AquaticChronic2 H411 - Toxic to aquatic life with long lasting effects. EEC/67/548: R63 - Possible risk of harm to the unborn child. Repr.Cat.3

Xn R22 - Harmful if swallowed.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in

the aquatic environment.

Chlorothalonil

CAS-No.: 1897-45-6 EINECS-No. / ELINCS No.: 217-588-1

REACH No .:

Concentration: 22.0 % (w/w)

EEC/67/548:

Classification: EG_1272/08: Carc.Cat.2 H351 - Suspected of causing cancer.

AcuteTox.2 H330 - Fatal if inhaled.

STOT_SE3 H335 - May cause respiratory irritation. H318 - Causes serious eye damage. EyeDam.1 SkinSens.1 H317 - May cause an allergic skin reaction.

AquaticAcute1 H400 - Very toxic to aquatic life.

AquaticChronic1 H410 - Very toxic to aquatic life with long lasting effects. (M=10)

Carc.Cat.3 R40 - Limited evidence of a carcinogenic effect.

T+ R26 - Very toxic by inhalation. Χi R37 - Irritating to respiratory system. Χi R41 - Risk of serious damage to eyes. R43 - May cause sensitization by skin contact.

Ν R50/53 - Very toxic to aquatic organisms, may cause long-term adverse

effects in the aquatic environment.

Propane-1,2-diol

CAS-No.: 57-55-6 EINECS-No. / ELINCS No.: 200-338-0 01-2119456809-23 REACH No .: Concentration: 6.6 % (w/w)

Classification:

EG_1272/08: n.c. - This chemical substance is not classified in the Annex VI of Regulation

(EC) No 1272/2008.

n.c. - This chemical substance is not classified in the Annex I of Directive FFC/67/548:

67/548/EEC.

4. FIRST AID MEASURES

4.1. Description of first aid measures

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes

and consult a physician.

Skin contact Remove and wash contaminated clothing before re-use. Wash

off with soap and water. If symptoms persist, call a physician.

Inhalation Remove casualty to fresh air. Oxygen or artificial respiration if

needed. Obtain medical attention.

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Ingestion : Do NOT induce vomiting. If conscious, drink plenty of water.

Obtain medical attention. Never give anything by mouth to an

unconscious person.

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

Hazards : No information available.

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

Treatment : Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing

media

: Water spray, Carbon dioxide (CO2), Alcohol-resistant foam,

Dry powder

Extinguishing media which shall not be used for safety

reasons

: High volume water jet

5.2. Special hazards arising from the substance or mixture

Specific hazards during

firefighting

: In the event of fire (HCI,CI2,NOx,CO) may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters

: Wear self contained breathing apparatus for fire fighting if

necessary. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment. (see Chapter 8) Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3. Methods and materials for containment and cleaning up

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Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid

binder, universal binder, sawdust). Sweep up and shovel into

suitable containers for disposal.

6.4. Reference to other sections

see Chapter 13

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Safe handling advice : Wear personal protective equipment. Keep container tightly

closed.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage

areas and containers

Store in original container. Keep in a well-ventilated place.

Keep out of reach of children.

Advice on common storage : Keep away from food and drink. Keep out of reach of children.

7.3. Specific end use(s)

none

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Components with workplace control parameters

(EH40/2005 Workplace exposure limits)

1			
Components	CAS-No.	National	Note
		occupational	
		exposure limits	
Tebuconazole	107534-96-3		no classification available
Chlorothalonil	1897-45-6		no classification available
Propane-1,2-diol	57-55-6	474 mg/m3	Vapour and particulates, Long-
			term exposure limit

8.2. Exposure controls

Personal protective equipment

Respiratory protection : In case of insufficient ventilation wear suitable respiratory

equipment.

Hand protection : PVC or nitrile-rubber gloves

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Eye protection : Goggles, , or:, Safety glasses

Skin and body protection : protective suit

Hygiene measures : Wash hands before breaks and immediately after handling the

product. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance

Physical state : liquid Colour : light grey

Auto-ignition temperature : >400 °C

Density : 1.136 g/cm3

pH : 8.1

Partition coefficient: n-

octanol/water

: log POW = 3.7

at 20 °C

(Tebuconazole)

log POW = 2.94

at 25 °C

(Chlorothalonil)

Surface tension : 34.4 mN/m

at 20 °C

9.2. Other information

none

10. STABILITY AND REACTIVITY

10.1. Reactivity

no data available

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10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

No dangerous reaction known under conditions of normal use.

10.5. Incompatible materials to avoid

Oxidizing agents, Strong bases

10.6. Hazardous decomposition products

No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute oral toxicity : LD50 rat

Dose: > 2,000 mg/kg

Acute dermal toxicity : LD50 rat

Dose: > 2,000 mg/kg

Acute inhalation toxicity : LC50 rat

Exposure time: 4 h Dose: 0.1 mg/l

Test substance: (Chlorothalonil)

Skin irritation : rabbit

Classification: No skin irritation Result: Mild skin irritation

Eye irritation : rabbit

Classification: No eye irritation Result: Mild eye irritation

Sensitisation : Local Lymph Node Assay mouse

Classification: May cause sensitization by skin contact.

Result: Causes sensitization.

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Carcinogenicity : Carc.Cat.3 (Tebuconazole)

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Toxicity to birds : LD50 Anas platyrhynchos (Mallard duck)

Dose: 4,640 mg/kg

Test substance: (Chlorothalonil)

: LC50 Anas platyrhynchos (Mallard duck)

Dose: > 4,816 mg/kg Testing period: 5 d

Test substance: (Tebuconazole)

Toxicity to bees : LD50 Apis mellifera (Honey bee)

Testing period: 2 d Dose (µg/Species): 393.9

(1.0.-1.--)

Toxicity to fish : LC50 Oncorhynchus mykiss (Rainbow trout)

Dose: 0.047 mg/l Testing period: 96 h

Test substance: (Chlorothalonil)

LC50 Oncorhynchus mykiss (Rainbow trout)

Dose: 4.4 mg/l Testing period: 96 h

Test substance: (Tebuconazole)

Toxicity to daphnia : LC50 Daphnia magna (Water flea)

Dose: 0.07 mg/l Testing period: 48 h

Test substance: (Chlorothalonil)

LC50 Daphnia Dose: 4.2 mg/l Testing period: 48 h

Test substance: (Tebuconazole)

Toxicity to algae : EC50 Toxicity to algae

Dose: 0.0051 mg/l

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Exposure time: 72 h

Test substance: (Chlorothalonil)

ErC50 Toxicity to algae

Dose: 3.8 mg/l Exposure time: 72 h

Test substance: (Tebuconazole)

12.2. Persistence and degradability

Biodegradability : Not readily biodegradable.

Test substance: (Tebuconazole)

Not readily biodegradable. Test substance: (Chlorothalonil)

12.3. Potential bioaccumulation

Bioaccumulation : Does not bioaccumulate.

12.4. Mobility in soil

Kfoc = 769 ml/g, 1/n=0.84 (Tebuconazol, arithmetic mean from 9 data sets) Koc = 300 - 7000 l/kg (Chlorothalonil)

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

none

13. DISPOSAL CONSIDERATIONS

According to European Directive 2000/532/EC as amended :

Waste Code : 02 01 08 (agrochemical waste containing dangerous

substances)

13.1. Waste treatment methods

Product : Dispose of product and packaging in accordance with The

Green Code. (The Code of Practice for the safe use of Pesticides on Farms and Holdings.) A MAFF Publication.

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Contaminated packaging : Dispose of as unused product.

14. TRANSPORT INFORMATION

14.1. UN number

UN2902

14.2. Proper shipping name

UN2902 PESTICIDE, LIQUID, TOXIC, N.O.S.*(Chlorothalonil)

14.3. Transport hazard class(es)

ADR/RID:

Class : 6.1

IMDG:

: 6.1 Class

IATA-DGR:

Class : 6.1

14.4. Packaging group

ADR/RID : II

IMDG : 11

: 11 IATA-DGR

14.5. Environmental hazards

IMDG

Marine Pollutant : Y

14.6. Special precautions for user

none



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15. REGULATORY INFORMATION

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

Other regulations : The product is classified and labelled in accordance with EC

directives or respective national laws.

15.2. Chemical Safety Assessment

none

16. OTHER INFORMATION

Print Date : 2014/11/25

The date format YYYY/MM/DD is used according to ISO 8601. (Alterations are indicated in the left hand margin by: ||)

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