



# Safety Data Sheet

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 + Commission Regulation (EU) No 2015/830 of 28 May 2015

## TOKYO

Preparation Date 05-Nov-2020

Revision date 05-Nov-2020

Revision Number: 1

### Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Identification of the product

**Product Description** TOKYO  
**Formulation** Prothioconazole 250 g/L EC  
**Pure substance/preparation** Preparation

#### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

**Recommended use** Fungicide  
**Sector(s) of use** SU1 - Agriculture, forestry, fishery  
**Product category** PC27 - Plant protection products

#### 1.3 Details of the Supplier of the Safety Data Sheet

**Supplier** UPL Europe Ltd  
Engine Rooms  
Birchwood Park  
Warrington  
WA3 6YN Cheshire  
UK  
Tel. : +44 (0) 1925 819999  
Fax : +44 (0) 1925 856075  
**E-mail address** sds.info@upl-ltd.com

#### 1.4 Emergency telephone number

**Emergency Telephone** (CARECHEM 24): +44 (0) 1235 239670  
**United Kingdom** NHS no. 111

## Section 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

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

Serious eye damage/eye irritation Category 2 - H319

Specific target organ toxicity (single exposure) Category 3 - H335

Acute aquatic toxicity Category 1 - H400

Chronic Aquatic Toxicity Category 1 - H410

#### Additional information

For the full text of the H-Statements mentioned in this Section, see Section 16

### 2.2 Label elements

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



signal word

WARNING

#### Hazard Statements

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

H410 - Very toxic to aquatic life with long lasting effects

#### Precautionary statements

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

P308 + P311 - IF exposed or concerned: Call a POISON CENTER or doctor

P501 - Dispose of contents/ container in accordance with national regulation

#### EU Specific Hazard Statements

EUH208 - Contains ( 2-[2-(1-chloro cyclopropyl)- 2-hydroxy-3-phenyl propyl]-2,4-dihydro-1,2,4-triazole-3-thione ). May produce an allergic reaction

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

### 2.3 Other Hazards

No information available

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

Chemical name	CAS No	EC No	Index-No.	REACH No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Note:
Prothioconazole	178928-70-6	605-841-2	-	-	25	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	
NN - Dimethyldecanamide	14433-76-2	238-405-1	-	-	> 20	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412)	
2-[2-(1-chlorocyclopropyl)-2-hydroxy-3-phenylpropyl]-2,4-dihydro-1,2,4-triazole-3-thione	XXX-XX-X	-	-	-	> 0.1 - < 1	Skin Sens. 1 (H317)	

**Full text of H- and EUH-phrases: see section 16**

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## Section 4: FIRST AID MEASURES

### 4.1 Description of first-aid measures

#### **General advice**

- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

#### **Inhalation**

- Move victim to fresh air
- Keep victim warm and quiet
- Call a physician or poison control center immediately

#### **Eye contact**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If eye irritation persists, consult a specialist

#### **Skin contact**

- Wash off immediately with soap and plenty of water / Polyethylene glycol 400 + Wash with plenty of water
- If symptoms persist, call a physician

#### **Ingestion**

- Rinse mouth
- Do NOT induce vomiting
- Call a physician or poison control center immediately

#### **Self-protection of the first aider**

- First aider: Pay attention to self-protection

### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

#### **Symptoms**

- None known

### 4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

#### **Note to physicians**

- Treat symptomatically
- In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable.
- There is no specific antidote.

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**Section 5: FIRE-FIGHTING MEASURES**

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**5.1 Extinguishing media****Suitable Extinguishing Media**

- Water spray
- Carbon dioxide (CO<sub>2</sub>)
- Foam
- Dry sand

**Unsuitable extinguishing media**

- Do not use a solid water stream as it may scatter and spread fire

**5.2 Special hazards arising from the substance or mixture****Hazardous combustion products**

- Hydrogen chloride
- Hydrogen cyanide (hydrocyanic acid)
- Carbon monoxide
- Carbon dioxide (CO<sub>2</sub>)
- Sulfur oxides
- Nitrogen oxides (NO<sub>x</sub>)

**5.3 Advice for Firefighters**

- Wear self-contained breathing apparatus and protective suit
- Avoid runoff to waterways and sewers

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**Section 6: ACCIDENTAL RELEASE MEASURES**

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**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel***Personal Precautions*

- Avoid contact with skin and eyes
- Wear protective gloves/protective clothing and eye/face protection

*Emergency procedures*

- Evacuate personnel to safe areas

**Emergency responder**

- Use personal protective equipment as required
- Evacuate personnel to safe areas

**6.2 Environmental Precautions**

- Prevent further leakage or spillage if safe to do so
- Do not allow material to contaminate ground water system
- Do not flush into surface water or sanitary sewer system

**6.3 Methods and material for containment and cleaning up****Methods for containment**

- Prevent further leakage or spillage if safe to do so

**Methods for cleaning up**

- Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)
- Clean contaminated surface thoroughly
- Keep in suitable, closed containers for disposal

**Prevention of secondary hazards**

- Clean contaminated objects and areas thoroughly observing environmental regulations

**6.4 Reference to other sections**

- See Section 7 for more information
- See section 8 for more information
- See section 13 for more information

## Section 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### **Advice on safe handling**

- Provide adequate ventilation
- Use only outdoors or in a well-ventilated area
- Ensure that eyewash stations and safety showers are close to the workstation location

#### **General hygiene considerations**

- Do not eat, drink or smoke when using this product
- Keep away from food, drink and animal feeding stuffs
- Avoid contact with skin and eyes
- Wash hands before breaks and immediately after handling the product
- Remove contaminated clothing and protective equipment before entering eating areas

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

- Keep only in the original container/package in a cool well-ventilated place
- Store in a dry place. Store in a closed container
- Do not freeze
- Keep away from direct sunlight

#### **Packaging materials**

- HDPE (high density polyethylene)

### 7.3 Specific end uses

- Please refer to the product labeling and packaging for information about appropriate use

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control Parameters

#### **Exposure Limits**

- Contains no substances with occupational exposure limit values

### 8.2 Exposure Controls

#### **Engineering controls**

- Ensure adequate ventilation, especially in confined areas

#### **Personal Protective Equipment**

##### *Eye/face protection*

- Safety glasses with side-shields
- Eye protection must conform to standard EN 166

##### *Hand protection*

- Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Wash gloves when contaminated. Dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed.

Wash hands frequently and always before eating, drinking, smoking or using the toilet.

- Gloves must conform to standard EN 374
- Wear protective nitrile rubber gloves
- Rate of permeability : > 480 min
- Glove thickness : > 0,4 mm

##### *Skin and body protection*

- Wear standard coveralls and Category 3 Type 4 suit.  
If there is a risk of significant exposure, consider a higher protective type suit.  
Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.
- Respiratory protection*
- When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

*Recommended filter type:* EN140 type A

#### **General hygiene considerations**

- Handle in accordance with good industrial hygiene and safety practice

#### **Environmental exposure controls**

- Local authorities should be advised if significant spillages cannot be contained
- Do not allow into any sewer, on the ground or into any body of water
- Prevent product from entering drains

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Tan, Clear to slightly cloudy	
<b>Physical state</b>	Liquid	
<b>Odor</b>	aromatic	
<u>Property</u>	<u>VALUES</u>	<u>Remarks/ Method</u>
<b>pH</b>	5 - 6	(1 % solution) 23°C
<b>Melting point/freezing point</b>	No information available	
<b>Boiling Point/Range</b>	No information available	
<b>Flash Point</b>	> 100°C, No flash point < boiling point	
<b>Flammability (solid, gas)</b>	No information available	
<b>Water solubility</b>	dispersible	
<b>Solubility in Other Solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	No information available	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Viscosity</b>	No information available	
<b>Oxidizing properties</b>	No information available	
<b>Explosive properties</b>	No information available	

### 9.2 OTHER INFORMATION

**VOC Content** No information available



**Section 10: STABILITY AND REACTIVITY****10.1 Reactivity**

- None under normal use conditions

**10.2 Chemical stability**

- Stable under normal conditions

**10.3 Possibility of hazardous reactions**

- None under normal processing

**10.4 Conditions to avoid**

- Extremes of temperature and direct sunlight

**10.5 Incompatible materials**

- Keep only in original container

**10.6 Hazardous decomposition products**

- None under normal use conditions

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**Section 11: TOXICOLOGICAL INFORMATION**

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**11.1 Information on Toxicological Effects****Product Information**

- Data obtained on this product or a similar product(\*)

**Acute toxicity**

*LD50 Oral* 500 - 2500 mg/kg (rat) \*  
*LD50 Dermal* > 4000 mg/kg (rat) \*  
*LC50 Inhalation* > 5 mg/l (4-hr) (rat) \*

**Skin corrosion/irritation**

- No skin irritation \*
- (rabbit)

**Serious eye damage/eye irritation**

- Irritating to eyes \*
- (rabbit)

**Respiratory or skin sensitization**

- Not a skin sensitizer \*
- (guinea pig)
- OECD 406

**Germ cell mutagenicity**

- Prothioconazole: Not classified

**Carcinogenicity**

- Prothioconazole: Not classified

**Reproductive toxicity**

- Prothioconazole: Caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen is related to parental toxicity

**Developmental effects**

- Prothioconazole: Caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen are related to maternal toxicity

**Specific target organ toxicity (single exposure)**

- Prothioconazole: Based on available data, the classification criteria are not met

**Specific target organ toxicity (repeated exposure)**

- Prothioconazole: Not classified

**Aspiration hazard**

- No information available

## Section 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Data obtained on this product or a similar product (\*)

*EC50/72h/algae* = 12.7 mg/L (Raphidocelis subcapitata) \*

*EC50/48h/daphnia* = 2.9 mg/L (Daphnia magna) \*

*LC50/fish/96 h* = 4.02 mg/L (Oncorhynchus mykiss) \*

### 12.2 Persistence and Degradability

- Prothioconazole: Not readily biodegradable ; Koc = 1765

### 12.3 Bioaccumulative Potential

- Prothioconazole: Does not bioaccumulate ; Bioconcentration factor (BCF) 19

### 12.4 Mobility in Soil

- Prothioconazole: Slightly Mobile

### 12.5 Results of PBT and vPvB Assessment

- Prothioconazole: This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB)

### 12.6 Other Adverse Effects

- No information available

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods

#### Waste from residues/unused products

- Dispose of in accordance with local regulations

#### Contaminated packaging

- Empty containers should be taken for local recycling, recovery or waste disposal

#### EWC waste disposal No

- 020108 - agrochemical waste containing dangerous substances

#### OTHER INFORMATION

- According to the European Waste Catalogue, Waste Codes are not product specific, but application specific

## Section 14: TRANSPORT INFORMATION

### 14.1 UN Number

- ADR, IMDG, IATA : UN3082

### 14.2 UN proper shipping name

- ADR : Environmentally hazardous substance, liquid, n.o.s. ( Prothioconazole )
- IMDG : Environmentally hazardous substance, liquid, n.o.s ( Prothioconazole )
- IATA : Environmentally hazardous substance, liquid, n.o.s ( Prothioconazole )

### 14.3 Transport Hazard Class(es)

*Hazard class*

- ADR, IMDG, IATA : 9

*Subsidiary class*

- ADR, IMDG, IATA : Not applicable

### 14.4 Packing Group

- ADR, IMDG, IATA : III

### 14.5 Environmental Hazards

- ADR, IATA : Yes
- IMDG : Marine pollutant

### 14.6 Special Precautions for User

*Special Provisions*

- ADR : 274, 335, 601, 375
- IMDG : 274, 335
- IATA : A97, A158, A197

### 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

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

### 15.2 Chemical safety assessment

- A chemical safety assessment has not been carried out

**Section 16: OTHER INFORMATION****Full text of H-Statements referred to under sections 2 and 3**

- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H319 - Causes serious eye irritation
- H335 - May cause respiratory irritation
- 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

**Abbreviations and acronyms**

- CLP : Classification, Labelling and Packaging = Regulation (EC) No 1272/2008
- CAS : Chemical Abstracts Service
- EC No : EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- LDx : Lethal dose to x %
- LCx : Lethal concentration to x %
- ECx : Effective concentration to x %
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
- Very Persistent and very Bioaccumulative (vPvB) Chemicals
- EWC : European Waste Catalogue
- ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
- IMDG : International Maritime Dangerous Goods Code
- IATA : International Air Transport Association

**Preparation Date** 05-Nov-2020

**Revision date** 05-Nov-2020

**Reason for revision** Not applicable

**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 + Commission Regulation (EU) No 2015/830 of 28 May 2015**

**Disclaimer**

The information contained is based on our knowledge of the product at the date of publishing. It applies to the PRODUCT AS SUCH. In case of formulation or mixture, make sure that a new danger will not appear. Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and duplicated for prevention and Safety purposes. For rates and use recommendations, refer to the information displayed on the packaging. It is the responsibility of the handlers of the product to pass on this safety data sheet to any subsequent persons who will come into contact with the product.

**End of Safety Data Sheet**