

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.06.2024

Version number 1.4 (replaces version 1.3)

Revision: 10.06.2024

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** HELSINKI
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Fungicide
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Cropthetics Ltd
Third Floor, 126-134 Baker Street, London
W1U 6UE, UK
info@jtagro-cropthetics.com
Tel: +44 1628 272102, for all calls, 9am - 5pm GMT
- **Further information obtainable from:** product safety department
- **Emergency telephone number:**
Posion center of the Charité Berlin: +49 30 19240
E-Mail: giftnotruf@charite.de
National Poisons Information Centre: +353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week)
Healthcare Professionals: +353 (1) 809 2566 (24 hour service)

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**



GHS07 GHS09

- **Signal word** Warning
- **Hazard-determining components of labelling:**
N,N-dimethyldecane-1-amide

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· Hazard statements

- H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H410 Very toxic to aquatic life with long lasting effects.

· Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Additional information:

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).

· Other hazards**· Results of PBT and vPvB assessment**

- PBT: Not applicable.
· vPvB: Not applicable.

3 Composition/information on ingredients

· Mixtures

- **Description:** Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

178928-70-6	Prothioconazole (ISO) ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1)	25%
14433-76-2	N,N-dimethyldecane-1-amide ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412 ATE: LD50 oral: 500 mg/kg	≥10-<25%
	2-[2-(1-Chlorocyclopropyl)-2-hydroxy-3-phenylpropyl]-2,4-dihydro-1,2,4-triazole-3-thione ⚠ Skin Sens. 1, H317	≥1-≤2.5%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

· Description of first aid measures**· After inhalation:**

- Call a doctor immediately.
Take affected persons into fresh air and keep quiet.

- **After skin contact:** If skin irritation continues, consult a doctor.

· After eye contact:

- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:** Rinse out mouth and then drink plenty of water.

- **Information for doctor:** No antidote, symptomatic treatment.

· Most important symptoms and effects, both acute and delayed

- No further relevant information available.

· Indication of any immediate medical attention and special treatment needed

- No further relevant information available.

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5 Firefighting measures

- **Extinguishing media**
- ***Suitable extinguishing agents:*** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
Nitrogen oxides (NO_x)
Hydrogen chloride (HCl)
Sulphur dioxide (SO₂)
Carbon monoxide (CO)
Hydrogen cyanide (HCN)
- **Advice for firefighters**
- ***Protective equipment:*** Do not inhale explosion gases or combustion gases.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- ***Information about fire - and explosion protection:*** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
· ***Requirements to be met by storerooms and receptacles:*** No special requirements.
· ***Information about storage in one common storage facility:*** Not required.
· ***Further information about storage conditions:*** Keep container tightly sealed.
· ***Storage class (TRGS):*** 10
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Control parameters**
- ***Ingredients with limit values that require monitoring at the workplace:***
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- ***Additional information:*** The lists valid during the making were used as basis.
- **Exposure controls**
- ***Appropriate engineering controls*** No further data; see section 7.
- ***Individual protection measures, such as personal protective equipment***
- ***General protective and hygienic measures:***
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing

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Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Hand protection**

Protective gloves

· **Material of gloves**

Material nitrile

Breakthrough time > 480 min

Glove thickness > 0.4 mm

Protection index level 6

Permeation according to guideline EN 374

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection**

Tightly sealed goggles

· **Body protection:**

Wear standard coveralls and a category 3 type 6 suit. If there is a significant risk of exposure, consider a suit with a higher protection factor.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**· **General Information**

· <i>Physical state</i>	Fluid
· <i>Colour:</i>	Beige
· <i>Odour:</i>	Aromatic
· <i>Odour threshold:</i>	Not determined.
· <i>Melting point/freezing point:</i>	Undetermined.
· <i>Boiling point or initial boiling point and boiling range</i>	Undetermined.
· <i>Flammability</i>	Not applicable.
· <i>Lower and upper explosion limit</i>	
· <i>Lower:</i>	Not determined.
· <i>Upper:</i>	Not determined.
· <i>Flash point:</i>	>100 °C
· <i>Decomposition temperature:</i>	Not determined.
· <i>pH at 20 °C</i>	5-6
· <i>Viscosity:</i>	
· <i>Kinematic viscosity</i>	Not determined.
· Viscosity at 100°C:	
· <i>Dynamic:</i>	Not determined.
· <i>Solubility</i>	
· <i>water:</i>	Fully miscible.
· <i>Partition coefficient n-octanol/water (log value)</i>	Not determined.
· <i>Vapour pressure:</i>	Not determined.
· <i>Density and/or relative density</i>	
· <i>Density at 20 °C:</i>	1.02 g/cm ³
· <i>Relative density</i>	Not determined.
· Density (@15°C)	Not determined.

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· Vapour density	Not determined.
· Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· VOC (EC)	0.00 %
· Solids content:	100.0 %
· Change in condition	
· Evaporation rate	Not determined.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:		
Oral	LD50	500-2,500 mg/kg (rat)
Dermal	LD50	>4,000 mg/kg (rat)
Inhalative	CL50 4h	5.36 mg/l (rat)
14433-76-2 N,N-dimethyldecane-1-amide		
Oral	LD50	500 mg/kg (ATE)

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- **Serious eye damage/irritation** Causes serious eye irritation.
- **STOT-single exposure** May cause respiratory irritation.
- **Information on other hazards**

· Endocrine disrupting properties
None of the ingredients is listed.

* 12 Ecological information

- **Toxicity**

· Aquatic toxicity:	
LC50 (96h)	4.02 mg/l (Oncorhynchus mykiss)
EC50 (48h)	2.9 mg/l (Daphnia magna)
IC50 (72h)	12.7 mlg/l (algae)

178928-70-6 Prothioconazole (ISO)	
EC10 (72h)	0.01427 mg/ltr. (Skeletonema costatum)
ErC50 (72h)	0.03278 mg/l (Skeletonema costatum)

- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **Other adverse effects** No further relevant information available.
- **Remark:** Very toxic for fish
- **Additional ecological information:**
- **General notes:**
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Very toxic for aquatic organisms

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- | | |
|----------------------------------|--|
| · UN number or ID number | UN3082 |
| · ADR, IMDG, IATA | |
| · UN proper shipping name | 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Prothioconazole (ISO)) |
| · ADR | |
| · IMDG | |

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· IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Prothioconazole (ISO))
· Transport hazard class(es) · ADR, IMDG, IATA	
 	
· Class · Label	9 Miscellaneous dangerous substances and articles. 9
· Packing group · ADR, IMDG, IATA	III
· Environmental hazards: · Marine pollutant: · Special marking (ADR): · Special marking (IATA):	Symbol (fish and tree) Symbol (fish and tree) Symbol (fish and tree)
· Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category	Warning: Miscellaneous dangerous substances and articles. 90 F-A,S-F A
· Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category · Tunnel restriction code	3 (-)
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PROTHIOCONAZOLE (ISO)), 9, III

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture: (Substances not listed)
None of the ingredients is listed.
· Poisons Act
· Regulated explosives precursors
None of the ingredients is listed.
· Regulated poisons
None of the ingredients is listed.

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· <i>Reportable explosives precursors</i>
None of the ingredients is listed.
· <i>Reportable poisons</i>
None of the ingredients is listed.
· Directive 2012/18/EU
· <i>Named dangerous substances - ANNEX I</i> None of the ingredients is listed.
· <i>Seveso category E1</i> Hazardous to the Aquatic Environment
· <i>Qualifying quantity (tonnes) for the application of lower-tier requirements</i> 100 t
· <i>Qualifying quantity (tonnes) for the application of upper-tier requirements</i> 200 t
· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

· **Disclaimer**

This safety data sheet contains only safety relevant information. The information is based on the state of our knowledge at the time of revision, however, it does not constitute a guarantee of product properties, product information or product specifications and does not establish a contractual legal relationship. This document is only valid in its unchanged form. In the event of changes by third parties, the exhibitor accepts no responsibility for form and content or for any damages or claims arising from such changes. The information is not transferable to other products. If the product named in this safety data sheet is mixed, blended or processed with other materials or is subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise. The data sheet does not release the user from the obligation to ensure that he acts in accordance with all regulations in connection with his activity.

· **Relevant phrases**

H302 Harmful if swallowed.
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.

· **Department issuing SDS:** Product Safety Department

· **Contact:**

Crophthetics Ltd.
info@jtagro-crophthetics.com
Tel +44 1623 272102

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· *** Data compared to the previous version altered.**