

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 31.01.2024

Version number 1.3 (replaces version 1.2)

Revision: 31.01.2024

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

- **Product identifier**
- **Trade name:** DITOFLO 700 WG
- **UFI:** TMX2-X03Y-U00U-66C9
- **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

2 Hazards identification

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



GHS06 skull and crossbones

Acute Tox. 3 H301 Toxic if swallowed.



GHS08 health hazard

Carc. 2 H351 Suspected of causing cancer.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

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



GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

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- **Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the GB CLP regulation.

- **Hazard pictograms**



GHS05 GHS06 GHS08 GHS09

- **Signal word** Danger

- **Hazard-determining components of labelling:**

Dithianon (ISO)

- **Hazard statements**

H301 Toxic if swallowed.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

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.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing should not be allowed out of the workplace.

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

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P307+P311 IF exposed: Call a POISON CENTER or doctor/physician.

P391 Collect spillage.

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).

SPe3 : Maintain an untreated buffer zone to surface waters to protect aquatic organisms.

EUH066 Repeated exposure may cause skin dryness or cracking.

- **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:**

CAS: 3347-22-6 EINECS: 222-098-6	Dithianon (ISO) ATE: LD50 oral: 500 mg/kg LD50 inhalative: 0.05 mg/kg	50-100%
CAS: 1332-58-7	Kaolin substance with a Community workplace exposure limit	2.5-10%

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

4 First aid measures

- **Description of first aid measures**
- **General information:**
Immediately remove any clothing soiled by the product.
In case of irregular breathing or respiratory arrest provide artificial respiration.
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
If skin irritation continues, consult a doctor.
Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Do not induce vomiting; call for medical help immediately.
- **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.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Use neutralising agent.
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**
Thorough dedusting.
Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** Keep respiratory protective device available.
- **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.

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- *Further information about storage conditions:* Keep container tightly sealed.
- *Storage class (TRGS):* 6.1 C
- **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:**

1332-58-7 Kaolin

WEL (Great Britain) Long-term value: 2 mg/m³

- *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
 Wash hands before breaks and at the end of work.
 Do not inhale gases / fumes / aerosols.
 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*

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· *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

9 Physical and chemical properties

· Information on basic physical and chemical properties

· **General Information**

- | | |
|---|-----------------|
| · <i>Physical state</i> | Solid |
| · <i>Colour:</i> | Brown |
| · <i>Odour:</i> | Characteristic |
| · <i>Odour threshold:</i> | Not determined. |
| · <i>Melting point/freezing point:</i> | >20 °C |
| · <i>Boiling point or initial boiling point and boiling range</i> | Undetermined. |
| · <i>Flammability</i> | Not determined. |
| · <i>Lower and upper explosion limit</i> | |
| · <i>Lower:</i> | Not determined. |

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· <i>Upper:</i>	Not determined.
· <i>Flash point:</i>	Not applicable.
· <i>Decomposition temperature:</i>	Not determined.
· <i>pH at 20 °C</i>	3-5 (1%)
· <i>Viscosity:</i>	
· <i>Kinematic viscosity</i>	Not applicable.
· <i>Dynamic:</i>	Not applicable.
· <i>Solubility</i>	
· <i>water:</i>	Soluble.
· <i>Partition coefficient n-octanol/water (log value)</i>	Not determined.
· <i>Vapour pressure at 25 °C:</i>	0 hPa (3347-22-6 Dithianon (ISO))
· <i>Density and/or relative density</i>	
· <i>Density:</i>	Not determined.
· <i>Relative density</i>	Not determined.
· <i>Bulk density:</i>	528-600 kg/m ³
· Density (@15°C)	Not determined.
· <i>Vapour density</i>	Not applicable.
· <i>Particle characteristics</i>	
· See section 3.	
· Other information	
· Appearance:	
· <i>Form:</i>	Solid
· Important information on protection of health and environment, and on safety.	
· <i>Ignition temperature:</i>	Product is not selfigniting.
· <i>Explosive properties:</i>	Product does not present an explosion hazard.
· <i>Solvent content:</i>	
· <i>Solids content:</i>	100.0 %
· Change in condition	
· <i>Evaporation rate</i>	Not applicable.
· Information with regard to physical hazard classes	
· <i>Explosives</i>	Void
· <i>Flammable gases</i>	Void
· <i>Aerosols</i>	Void
· <i>Oxidising gases</i>	Void
· <i>Gases under pressure</i>	Void
· <i>Flammable liquids</i>	Void
· <i>Flammable solids</i>	Void
· <i>Self-reactive substances and mixtures</i>	Void
· <i>Pyrophoric liquids</i>	Void
· <i>Pyrophoric solids</i>	Void
· <i>Self-heating substances and mixtures</i>	Void
· <i>Substances and mixtures, which emit flammable gases in contact with water</i>	Void
· <i>Oxidising liquids</i>	Void
· <i>Oxidising solids</i>	Void
· <i>Organic peroxides</i>	Void
· <i>Corrosive to metals</i>	Void
· <i>Desensitised explosives</i>	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.

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- **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** Toxic if swallowed.

· **LD/LC50 values relevant for classification:**

ATE (Acute Toxicity Estimates)

Oral	LD50	714 mg/kg
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- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Suspected of causing cancer.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

ATE (Acute Toxicity Estimates)

Inhalative	LD50	0.0714 mg/kg
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- **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:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Must not reach sewage water or drainage ditch undiluted or unneutralised.
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.

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· European waste catalogue	
HP4	Irritant - skin irritation and eye damage
HP6	Acute Toxicity
HP7	Carcinogenic
HP13	Sensitising
HP14	Ecotoxic

· **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 · ADR, IMDG, IATA	UN2588
· UN proper shipping name · ADR · IMDG, IATA	2588 PESTICIDE, SOLID, TOXIC, N.O.S. (Dithianon (ISO)), ENVIRONMENTALLY HAZARDOUS PESTICIDE, SOLID, TOXIC, N.O.S. (Dithianon (ISO))
· Transport hazard class(es) · ADR  	6.1 Toxic substances. 6.1
· IMDG, IATA 	6.1 Toxic substances. 6.1
· Packing group · ADR, IMDG, IATA	III
· Environmental hazards: · Special marking (ADR):	Product contains environmentally hazardous substances: Dithianon (ISO) Symbol (fish and tree)
· Special precautions for user · <i>Hazard identification number (Kemler code):</i> · <i>EMS Number:</i> · <i>Stowage Category</i> · <i>Stowage Code</i>	Warning: Toxic substances. 60 F-A,S-A A SW2 Clear of living quarters.
· Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR · <i>Limited quantities (LQ)</i>	5 kg

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· <i>Excepted quantities (EQ)</i>	Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
· <i>Transport category</i>	2
· <i>Tunnel restriction code</i>	E
· IMDG	
· <i>Limited quantities (LQ)</i>	5 kg
· <i>Excepted quantities (EQ)</i>	Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
· UN "Model Regulation":	UN 2588 PESTICIDE, SOLID, TOXIC, N.O.S. (DITHIANON (ISO)), 6.1, III, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture: (Substances not listed)
None of the ingredients is listed.
· Directive 2004/42/EC
· Directive 2012/18/EU
· <i>Named dangerous substances - ANNEX I</i> None of the ingredients is listed.
· <i>Seveso category</i>
H2 ACUTE TOXIC
E1 Hazardous to the Aquatic Environment
· <i>Qualifying quantity (tonnes) for the application of lower-tier requirements</i> 50 t
· <i>Qualifying quantity (tonnes) for the application of upper-tier requirements</i> 200 t
· REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 65
· REGULATION (EU) 2019/1148
· <i>Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))</i>
None of the ingredients is listed.
· <i>Annex II - REPORTABLE EXPLOSIVES PRECURSORS</i>
None of the ingredients is listed.
· <i>Regulation (EC) No 273/2004 on drug precursors</i>
None of the ingredients is listed.
· <i>Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors</i>
None of the ingredients is listed.
· 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.

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· **Relevant phrases**

H302 Harmful if swallowed.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H330 Fatal if inhaled.
 H351 Suspected of causing cancer.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.

· **Department issuing SDS:** Product Safety Department· **Contact:** MSDS authorized Person· **Version number of previous version:** 1.2· **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)
 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. 3: Acute toxicity – Category 3
 Acute Tox. 4: Acute toxicity – Category 4
 Acute Tox. 2: Acute toxicity – Category 2
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Skin Sens. 1: Skin sensitisation – Category 1
 Skin Sens. 1A: Skin sensitisation – Category 1A
 Carc. 2: Carcinogenicity – Category 2
 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

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