

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## ORONDIS GOLD DC

Version	Revision Date:	SDS Number:	Date of last issue: 11/27/2023
1.0	01/09/2024	S00074171842	Date of first issue: 11/27/2023

### SECTION 1. IDENTIFICATION

Product name : ORONDIS GOLD DC  
Design code : A22556C

Product Registration number : 100-1737

#### Manufacturer or supplier's details

Company name of supplier : Syngenta Crop Protection, LLC  
Address : Post Office Box 18300  
Greensboro NC 27419  
United States of America (USA)

Telephone : 1 800 334 9481  
Telefax : 1 336 632 2192

E-mail address : sds.requests@syngenta.com

#### Recommended use of the chemical and restrictions on use

Recommended use : Fungicide  
Restrictions on use : General Use Pesticide

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Eye irritation : Category 2A

#### GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H319 Causes serious eye irritation.

Precautionary Statements :

#### Prevention:

P264 Wash skin thoroughly after handling.  
P280 Wear eye protection/ face protection.

#### Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.

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Version 1.0      Revision Date: 01/09/2024      SDS Number: S00074171842      Date of last issue: 11/27/2023  
Date of first issue: 11/27/2023

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
2-ethylhexyl (2S)-2-hydroxypropanoate	186817-80-1	>= 20 - < 30
ethanone, 1-phenyl-metalaxyl-M	98-86-2	>= 20 - < 30
oxathiapiprolin	70630-17-0	10.0962
	1003318-67-9	3.3654

Actual concentration is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

- General advice : Have the product container, label or Safety Data Sheet with you when calling the emergency number, a poison control center or physician, or going for treatment.
- If inhaled : Take the victim into fresh air.  
If breathing is irregular or stopped, administer artificial respiration.  
Keep patient warm and at rest.  
Call a physician or poison control center immediately.
- In case of skin contact : Take off all contaminated clothing immediately.  
Wash off immediately with plenty of water.  
If skin irritation persists, call a physician.  
Wash contaminated clothing before re-use.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Remove contact lenses.  
Immediate medical attention is required.
- If swallowed : If swallowed, seek medical advice immediately and show this container or label.  
Do NOT induce vomiting.
- Most important symptoms and effects, both acute and delayed : Nonspecific  
No symptoms known or expected.  
Causes serious eye irritation.
- Notes to physician : There is no specific antidote available.  
Treat symptomatically.

## SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Extinguishing media - small fires  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Extinguishing media - large fires  
Alcohol-resistant foam  
or  
Water spray
- Unsuitable extinguishing : Do not use a solid water stream as it may scatter and spread

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according to the OSHA Hazard Communication Standard



## ORONDIS GOLD DC

Version 1.0      Revision Date: 01/09/2024      SDS Number: S00074171842      Date of last issue: 11/27/2023  
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- media  
Specific hazards during fire fighting : fire.  
As the product contains combustible organic ingredients, fire will produce dense black smoke containing hazardous products of combustion (see section 10).  
Exposure to decomposition products may be a hazard to health.
- Further information : Do not allow run-off from fire fighting to enter drains or water courses.  
Cool closed containers exposed to fire with water spray.
- Special protective equipment for fire-fighters : Wear full protective clothing and self-contained breathing apparatus.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.  
Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Clean contaminated surface thoroughly.  
Clean with detergents. Avoid solvents.  
Retain and dispose of contaminated wash water.

### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : No special protective measures against fire required.  
Avoid contact with skin and eyes.  
When using do not eat, drink or smoke.  
For personal protection see section 8.
- Conditions for safe storage : No special storage conditions required.  
Keep containers tightly closed in a dry, cool and well-ventilated place.  
Keep out of the reach of children.  
Keep away from food, drink and animal feedingstuffs.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
ethanone, 1-phenyl-	98-86-2	TWA	10 ppm	ACGIH
		TWA	10 ppm	US WEEL
metalaxyl-M	70630-17-0	TWA	5 mg/m3	Syngenta

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Version 1.0      Revision Date: 01/09/2024      SDS Number: S00074171842      Date of last issue: 11/27/2023  
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oxathiapiprolin	1003318-67-9	TWA	5 mg/m3	Supplier
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**Engineering measures** : THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THE PRODUCT. FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. Maintain air concentrations below occupational exposure standards. Where necessary, seek additional occupational hygiene advice.

### Personal protective equipment

**Respiratory protection** : No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Hand protection**

**Remarks** : No special protective equipment required.

**Eye protection** : Tightly fitting safety goggles  
Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded.

**Skin and body protection** : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Remove and wash contaminated clothing before re-use.  
Wear as appropriate:  
Impervious clothing

**Protective measures** : The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : liquid

**Color** : amber

**Odor** : No data available

**Odor Threshold** : No data available

**pH** : 2 - 6  
Concentration: 1 %w/v

**Melting point/range** : No data available

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Version	Revision Date:	SDS Number:	Date of last issue: 11/27/2023
1.0	01/09/2024	S00074171842	Date of first issue: 11/27/2023

Boiling point/boiling range : No data available

Flash point : 201 °F / 94 °C  
Method: Seta closed cup

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapor pressure : No data available

Relative vapor density : No data available

Density : 1.062 g/cm<sup>3</sup> (68 - 77 °F / 20 - 25 °C)

Solubility(ies)

    Water solubility : No data available

    Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Autoignition temperature : 705 °F / 374 °C

Decomposition temperature : No data available

Viscosity

    Viscosity, dynamic : 32 mPa.s (68 °F / 20 °C)

    Viscosity, kinematic : No data available

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Particle size : No data available

### SECTION 10. STABILITY AND REACTIVITY

Reactivity : None reasonably foreseeable.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reac- : No dangerous reaction known under conditions of normal use.

# SAFETY DATA SHEET

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tions  
Conditions to avoid : No decomposition if used as directed.  
Incompatible materials : None known.  
Hazardous decomposition products : No hazardous decomposition products are known.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Ingestion  
Inhalation  
Skin contact  
Eye contact

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Product:

Acute oral toxicity : LD50 (Rat, female): > 2,000 mg/kg  
Assessment: The component/mixture is minimally toxic after single ingestion.

Acute inhalation toxicity : LC50 (Rat, male and female): > 5.03 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : Assessment: The component/mixture is minimally toxic after single contact with skin.  
Remarks: Expert judgment

#### Components:

##### **2-ethylhexyl (2S)-2-hydroxypropanoate:**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : LC50 (Rat): > 5.6 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity

##### **ethanone, 1-phenyl-:**

Acute oral toxicity : LD50 (Rat): 2,081 mg/kg

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat): 3,300 mg/kg

# SAFETY DATA SHEET

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## ORONDIS GOLD DC

Version	Revision Date:	SDS Number:	Date of last issue: 11/27/2023
1.0	01/09/2024	S00074171842	Date of first issue: 11/27/2023

### metalaxyl-M:

Acute oral toxicity : LD50 (Rat, female): 375 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): > 2.29 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: Highest attainable concentration

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

### oxathiapiprolin:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): > 5.1 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat, male and female): > 5,000 mg/kg

### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

### Product:

Species : Rabbit  
Result : No skin irritation

### Components:

#### 2-ethylhexyl (2S)-2-hydroxypropanoate:

Result : Irritating to skin.

#### ethanone, 1-phenyl-:

Result : No skin irritation

### metalaxyl-M:

Species : Rabbit  
Result : No skin irritation

### oxathiapiprolin:

Species : Rabbit  
Result : No skin irritation

### Serious eye damage/eye irritation

Causes serious eye irritation.

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### **Product:**

Species : Rabbit  
Result : Irritation to eyes, reversing within 21 days

### **Components:**

#### **2-ethylhexyl (2S)-2-hydroxypropanoate:**

Result : Eye irritation

#### **ethanone, 1-phenyl-:**

Result : Eye irritation

#### **metalaxyl-M:**

Species : Rabbit  
Result : Risk of serious damage to eyes.

#### **oxathiapiprolin:**

Species : Rabbit  
Result : No eye irritation

### **Respiratory or skin sensitization**

#### **Skin sensitization**

Based on available data, the classification criteria are not met.

#### **Respiratory sensitization**

Not classified due to lack of data.

### **Product:**

Species : Mouse  
Result : Not a skin sensitizer.

### **Components:**

#### **2-ethylhexyl (2S)-2-hydroxypropanoate:**

Result : May cause sensitization by skin contact.

#### **ethanone, 1-phenyl-:**

Result : Does not cause skin sensitization.

#### **metalaxyl-M:**

Species : Guinea pig  
Result : Does not cause skin sensitization.

#### **oxathiapiprolin:**

Species : Guinea pig  
Result : Does not cause skin sensitization.



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## ORONDIS GOLD DC

Version	Revision Date:	SDS Number:	Date of last issue: 11/27/2023
1.0	01/09/2024	S00074171842	Date of first issue: 11/27/2023

### Germ cell mutagenicity

Not classified due to lack of data.

#### Components:

##### **2-ethylhexyl (2S)-2-hydroxypropanoate:**

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

##### **ethanone, 1-phenyl-:**

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

##### **metalaxyl-M:**

Germ cell mutagenicity - Assessment : Animal testing did not show any mutagenic effects.

##### **oxathiapiprolin:**

Germ cell mutagenicity - Assessment : Animal testing did not show any mutagenic effects., In vitro tests did not show mutagenic effects

### Carcinogenicity

Not classified due to lack of data.

#### Components:

##### **2-ethylhexyl (2S)-2-hydroxypropanoate:**

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

##### **ethanone, 1-phenyl-:**

Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen

##### **metalaxyl-M:**

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

##### **oxathiapiprolin:**

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

### Reproductive toxicity

Not classified due to lack of data.

#### Components:

##### **2-ethylhexyl (2S)-2-hydroxypropanoate:**

Reproductive toxicity - Assessment : No toxicity to reproduction

##### **ethanone, 1-phenyl-:**

Reproductive toxicity - Assessment : No toxicity to reproduction

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according to the OSHA Hazard Communication Standard



## ORONDIS GOLD DC

Version	Revision Date:	SDS Number:	Date of last issue: 11/27/2023
1.0	01/09/2024	S00074171842	Date of first issue: 11/27/2023

### metalaxyl-M:

Reproductive toxicity - Assessment : No toxicity to reproduction

### oxathiapiprolin:

Reproductive toxicity - Assessment : No toxicity to reproduction

### STOT-single exposure

Not classified due to lack of data.

### Components:

#### 2-ethylhexyl (2S)-2-hydroxypropanoate:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

### oxathiapiprolin:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

### STOT-repeated exposure

Not classified due to lack of data.

### Components:

#### 2-ethylhexyl (2S)-2-hydroxypropanoate:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### ethanone, 1-phenyl-:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### metalaxyl-M:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

### oxathiapiprolin:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### Aspiration toxicity

Not classified due to lack of data.

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## ORONDIS GOLD DC

Version	Revision Date:	SDS Number:	Date of last issue: 11/27/2023
1.0	01/09/2024	S00074171842	Date of first issue: 11/27/2023

### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

##### Components:

##### **2-ethylhexyl (2S)-2-hydroxypropanoate:**

Toxicity to fish : LC50 (Fish): 10 - 100 mg/l  
Exposure time: 96 h  
Remarks: Information given is based on data obtained from similar substances.

##### **Ecotoxicology Assessment**

Acute aquatic toxicity : Harmful to aquatic life.

##### **ethanone, 1-phenyl-:**

Toxicity to algae/aquatic plants : ErC50 (Raphidocelis subcapitata (freshwater green alga)): 86.4 mg/l  
Exposure time: 72 h

##### **metalaxyl-M:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h

LC50 (Cyprinus carpio (Carp)): > 100 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : ErC50 (Raphidocelis subcapitata (freshwater green alga)): 271 mg/l  
Exposure time: 96 h

NOEC (Raphidocelis subcapitata (freshwater green alga)): 19.7 mg/l  
End point: Growth rate  
Exposure time: 96 h

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 50 mg/l  
Exposure time: 28 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 25 mg/l  
Exposure time: 21 d

Toxicity to microorganisms : EC50 (activated sludge): > 100 mg/l  
Exposure time: 3 h

##### **oxathiapiprolin:**

Toxicity to fish : LC50 (Cyprinodon variegatus (sheepshead minnow)): > 0.65 mg/l

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## ORONDIS GOLD DC

Version	Revision Date:	SDS Number:	Date of last issue: 11/27/2023
1.0	01/09/2024	S00074171842	Date of first issue: 11/27/2023

Exposure time: 96 h

Toxicity to algae/aquatic plants : ErC50 (Raphidocelis subcapitata (freshwater green alga)): > 0.142 mg/l  
Exposure time: 72 h

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 0.46 mg/l  
Exposure time: 88 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.75 mg/l  
Exposure time: 21 d

NOEC (Americamysis): 0.058 mg/l  
Exposure time: 32 d

### Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

### Persistence and degradability

#### Components:

#### **2-ethylhexyl (2S)-2-hydroxypropanoate:**

Biodegradability : Result: Readily biodegradable.

#### **ethanone, 1-phenyl-:**

Biodegradability : Result: Readily biodegradable.

#### **metalaxyl-M:**

Biodegradability : Result: Not readily biodegradable.

Stability in water : Degradation half life: 22.4 - 47.5 d  
Remarks: Product is not persistent.

#### **oxathiapiprolin:**

Biodegradability : Result: Not readily biodegradable.

### Bioaccumulative potential

#### Components:

#### **metalaxyl-M:**

Bioaccumulation : Remarks: Low bioaccumulation potential.

Partition coefficient: n-octanol/water : log Pow: 1.71 (77 °F / 25 °C)

#### **oxathiapiprolin:**

Bioaccumulation : Remarks: Does not bioaccumulate.

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## ORONDIS GOLD DC

Version	Revision Date:	SDS Number:	Date of last issue: 11/27/2023
1.0	01/09/2024	S00074171842	Date of first issue: 11/27/2023

### Mobility in soil

#### Components:

##### **metalaxyl-M:**

Distribution among environmental compartments : Remarks: Metalaxyl has a range from low to very high mobility in soil depending on soil type.

Stability in soil : Dissipation time: < 50 d  
Percentage dissipation: 50 % (DT50)  
Remarks: Product is not persistent.

##### **oxathiapiprolin:**

Distribution among environmental compartments : Remarks: Low mobility in soil.

### Other adverse effects

#### Components:

##### **2-ethylhexyl (2S)-2-hydroxypropanoate:**

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

##### **ethanone, 1-phenyl-:**

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

##### **metalaxyl-M:**

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

##### **oxathiapiprolin:**

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Do not contaminate ponds, waterways or ditches with chemical or used container.  
Do not dispose of waste into sewer.  
Where possible recycling is preferred to disposal or incineration.  
If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging : Empty remaining contents.  
Triple rinse containers.

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## ORONDIS GOLD DC

Version	Revision Date:	SDS Number:	Date of last issue: 11/27/2023
1.0	01/09/2024	S00074171842	Date of first issue: 11/27/2023

Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Do not re-use empty containers.

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

UN number : UN 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (OXATHIPIPROLIN)  
Class : 9  
Packing group : III  
Labels : 9  
Environmentally hazardous : yes  
Remarks : This product can be subject to exemptions when packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids, or having a net mass of 5 kg or less for solids.

##### IATA-DGR

UN/ID No. : UN 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s. (OXATHIPIPROLIN)  
Class : 9  
Packing group : III  
Labels : Miscellaneous  
Packing instruction (cargo aircraft) : 964  
Packing instruction (passenger aircraft) : 964  
Environmentally hazardous : yes  
Remarks : This product can be subject to exemptions when packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids, or having a net mass of 5 kg or less for solids.

##### IMDG-Code

UN number : UN 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (OXATHIPIPROLIN)  
Class : 9  
Packing group : III  
Labels : 9  
EmS Code : F-A, S-F  
Marine pollutant : yes  
Remarks : This product can be subject to exemptions when packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids, or having a net mass of 5 kg or less for solids.

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

Not applicable for product as supplied.

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## ORONDIS GOLD DC

Version 1.0      Revision Date: 01/09/2024      SDS Number: S00074171842      Date of last issue: 11/27/2023  
Date of first issue: 11/27/2023

### Domestic regulation

#### 49 CFR

UN/ID/NA number : NA 3082  
Proper shipping name : Other regulated substances, liquid, n.o.s. (ACETOPHENONE)  
Class : 9  
Packing group : III  
Labels : CLASS 9  
ERG Code : 171  
Marine pollutant : yes  
Remarks : Shipment by ground under DOT is non-regulated; however it may be shipped per the applicable hazard classification to facilitate multi-modal transport involving ICAO (IATA) or IMO.

### Special precautions for user

Remarks : 49CFR: no dangerous good in non-bulk packaging  
The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## SECTION 15. REGULATORY INFORMATION

### Caution

Causes moderate eye irritation.  
Harmful if swallowed.  
Harmful if absorbed through skin.  
Avoid contact with skin, eyes or clothing.  
Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.  
Remove and wash contaminated clothing before re-use.

### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
ethanone, 1-phenyl-	98-86-2	5000	25000

### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Serious eye damage or eye irritation

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

ethanone, 1-phenyl-      98-86-2      >= 20 - < 30 %

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



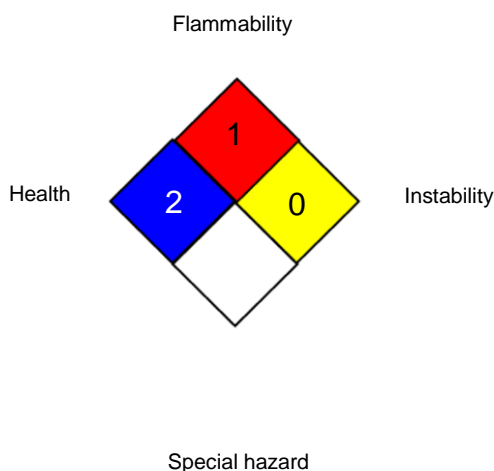
## ORONDIS GOLD DC

Version 1.0      Revision Date: 01/09/2024      SDS Number: S00074171842      Date of last issue: 11/27/2023  
Date of first issue: 11/27/2023

### SECTION 16. OTHER INFORMATION

#### Further information

##### NFPA 704:



##### HMIS® IV:

HEALTH	/	2
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "/" represents a chronic hazard, while the "-" represents the absence of a chronic hazard.

#### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
Syngenta : Syngenta Occupational Exposure Limits  
US WEEL : USA. Workplace Environmental Exposure Levels (WEEL)  
ACGIH / TWA : 8-hour, time-weighted average  
Syngenta / TWA : Time weighted average  
US WEEL / TWA : 8-hr TWA

AIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office



# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## ORONDIS GOLD DC

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of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECl - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 01/09/2024

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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