



## ZORVEC ENDAVIA®

Ref. 130000000663  
Version 4.1 (replaces: Version 4.0)

Revision Date 18.09.2019  
Issue Date 09.03.2020

This safety data sheet is based on the structure provided by the standards of the United Nations Globally Harmonized System of Classification and Labelling of Chemicals (UN GHS), and includes the classification and identification information under internationally recognized rules. Available exposure limits may not meet regulatory standards for all countries.

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name : ZORVEC ENDAVIA®  
Synonyms : DPX-UKH70 100 g/L OD  
B13171605

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

Use of the Substance/Mixture : Fungicide

#### 1.3. Details of the supplier of the safety data sheet

Company : DuPont International Operations S.a.r.l.  
2, chemin du Pavillon  
CH-1218 Le Grand-Saconnex / GE  
Switzerland  
Telephone : +41 (0) 22 717 51 11  
Telefax : +41 (0) 22 717 51 09  
Supplier : Du Pont de Nemours (France) S.A.S.  
82, rue de Wittelsheim  
F-68701 Cernay Cedex  
Telephone : +33 (0) 3 89 38 38 38  
E-mail address : SDS@Corteva.com

#### 1.4. Emergency telephone number

+(44)-870-8200418 (CHEMTREC)

Poison Centres may only possess information required for products in accordance with Regulation (EC) No 1272/2008 and national legislation.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Carcinogenicity, Category 2	H351: Suspected of causing cancer.
Long-term (chronic) aquatic hazard, Category 2	H411: Toxic to aquatic life with long lasting effects.



## ZORVEC ENDAVIA®

Ref. 130000000663  
Version 4.1 (replaces: Version 4.0)

Revision Date 18.09.2019  
Issue Date 09.03.2020

### 2.2. Label elements



#### Warning

H317 May cause an allergic skin reaction.  
H351 Suspected of causing cancer.  
H411 Toxic to aquatic life with long lasting effects.

Special labelling of certain substances and mixtures EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

P201 Obtain special instructions before use.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P273 Avoid release to the environment. (If this is not the intended use.)  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P391 Collect spillage.  
P405 Store locked up.  
P501 Dispose of contents/ container to an approved waste disposal plant.

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).

### 2.3. Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).  
This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Registration number	Classification according to Regulation (EU) 1272/2008 (CLP)	Concentration (% w/w)
<b>Benthiavalicarb isopropyl (CAS-No.177406-68-7)</b>		
	Skin Sens. 1; H317 Carc. 2; H351	7,61 %



**ZORVEC ENDAVIA®**

Ref. 130000000663  
Version 4.1 (replaces: Version 4.0)

Revision Date 18.09.2019  
Issue Date 09.03.2020

**Oxathiapiprolin (CAS-No.1003318-67-9)  
(M-Factor : 1[Acute] 1[Chronic])**

	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	3,26 %
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**2-Ethylhexan-1-ol (CAS-No.104-76-7) (EC-No.203-234-3)**

	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335	>= 1 - < 3 %
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**Benzenesulfonic acid, C10-13-(linear)alkyl derivs., calcium salt**

	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 1 - < 3 %
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The above products are compliant to REACH registration obligations; Registration number(s) may not be provided because substance(s) are exempted, not yet registered under REACH or are registered under another regulatory process (biocide uses, plant protection products), etc.

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

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

- General advice : Never give anything by mouth to an unconscious person.
- Inhalation : Move to fresh air. Artificial respiration and/or oxygen may be necessary. Consult a physician after significant exposure.
- Skin contact : Take off contaminated clothing and shoes immediately. Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions see a physician. Wash contaminated clothing before re-use.
- Eye contact : If easy to do, remove contact lens, if worn. Hold eye open and rinse slowly and gently with water for 15-20 minutes. If eye irritation persists, consult a specialist.
- Ingestion : Obtain medical attention. DO NOT induce vomiting unless directed to do so by a physician or poison control center. If victim is conscious: Rinse mouth with water.

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

- Symptoms : No cases of human intoxication are known and the symptoms of experimental intoxication are not known.

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

- Treatment : Treat symptomatically.

**SECTION 5: Firefighting measures**



## ZORVEC ENDAVIA®

Ref. 130000000663  
Version 4.1 (replaces: Version 4.0)

Revision Date 18.09.2019  
Issue Date 09.03.2020

### 5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons : High volume water jet, (contamination risk)

### 5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting : Hazardous decomposition products formed under fire conditions. Carbon dioxide (CO<sub>2</sub>) Nitrogen oxides (NO<sub>x</sub>)

### 5.3. Advice for firefighters

Special protective equipment for firefighters : Wear full protective clothing and self-contained breathing apparatus.

Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
: (on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers/tanks with water spray.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Control access to area. Keep people away from and upwind of spill/leak. Ventilate spill area. Take precautionary measures against static discharges. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Refer to protective measures listed in sections 7 and 8.

### 6.2. Environmental precautions

Environmental precautions : Use appropriate container to avoid environmental contamination. Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. If the spill area is porous, the contaminated material must be collected for subsequent treatment or disposal. If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Clean-up methods - small spillage Soak up with inert absorbent material. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean-up methods - large spillage Prevent further leakage or spillage. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Large spills should be



## ZORVEC ENDAVIA®

Ref. 130000000663  
Version 4.1 (replaces: Version 4.0)

Revision Date 18.09.2019  
Issue Date 09.03.2020

collected mechanically (remove by pumping) for disposal. Collect leaking liquid in sealable (metal/plastic) containers. Collect and contain contaminated absorbent and dike material for disposal.

Other information : Dispose of in accordance with local regulations. Never return spills in original containers for re-use.

### 6.4. Reference to other sections

For personal protection see section 8., For disposal instructions see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Advice on safe handling : Use only according to our recommendations. Use only clean equipment. Do not breathe vapours or spray mist. Wear personal protective equipment. For personal protection see section 8. Provide adequate ventilation. When opening containers, avoid breathing vapours that may be emanating. Prepare the working solution as given on the label(s) and/or the user instructions. Use prepared working solution as soon as possible - Do not store. To avoid spills during handling keep bottle on a metal tray. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. Never return unused material to storage receptacle. Avoid exceeding the given occupational exposure limits (see section 8).

Advice on protection against fire and explosion : Keep away from heat and sources of ignition. Take measures to prevent the build up of electrostatic charge.

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

Requirements for storage areas and containers : Store in a place accessible by authorized persons only. Store in original container. Keep in properly labelled containers. 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.

Advice on common storage : No special restrictions on storage with other products.

Other data : Stable under recommended storage conditions.

### 7.3. Specific end use(s)

Plant protection products subject to Regulation (EC) No 1107/2009.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

If sub-section is empty then no values are applicable. For further information on any control parameters provided, please refer to the relevant regulation.

### 8.2. Exposure controls

Engineering measures

Ensure adequate ventilation, especially in confined areas. Use sufficient ventilation to keep employee exposure below recommended limits.



## ZORVEC ENDAVIA®

Ref. 130000000663  
Version 4.1 (replaces: Version 4.0)

Revision Date 18.09.2019  
Issue Date 09.03.2020

- Eye protection : Safety glasses with side-shields conforming to EN166 Additionally wear a face shield where the possibility exists for face contact due to splashing, spraying or airborne contact with this material.
- Hand protection : Material: Nitrile rubber  
Glove thickness: 0,4 - 0,7 mm  
Glove length: Gauntlets of 35 cm long or longer.  
Protection index: Class 6  
Wearing time: > 480 min  
The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. 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. The suitability for a specific workplace should be discussed with the producers of the protective gloves. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case. The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves must be inspected prior to use. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Gauntlets of 35 cm long or longer shall be worn over the combination sleeve. Before removing gloves clean them with soap and water.
- Skin and body protection : Manufacturing and processing work: Full protective clothing Type 6 (EN 13034)  
Mixer and loaders must wear: Full protective clothing Type 6 (EN 13034)  
Rubber apron Nitrile rubber boots (EN 13832-3 / EN ISO 20345).  
Spray application - outdoor: Tractor / sprayer with hood: No personal body protection normally required.  
Tractor / sprayer without hood: Full protective clothing Type 4 (EN 14605) Nitrile rubber boots (EN 13832-3 / EN ISO 20345).  
Backpack / knapsack sprayer: Full protective clothing Type 4 (EN 14605) Nitrile rubber boots (EN 13832-3 / EN ISO 20345).  
When exceptional circumstances require an access to the treated area before the end of re-entry periods, wear full protective clothing Type 6 (EN 13034), nitrile rubber gloves class 3 (EN 374) and nitrile rubber boots (EN 13832-3 / EN ISO 20345).  
  
To optimize the ergonomics it may be recommended to use cotton underwear when wearing some fabrics. Take advice from supplier.  
Garment materials that are resistant to both water vapour and air will maximise wearing comfort. Materials should be robust to maintain the integrity and barrier in use.  
The permeation resistance of the fabric must be verified independently of the « type » protection recommended, to ensure an appropriate performance level of the material adequate to the corresponding agent and type of exposure.
- Protective measures : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. All chemical protective clothing should be visually inspected prior to use. Clothing and gloves should be replaced in case of chemical or physical damage or if contaminated. Only protected handlers may be in the area during application.



## ZORVEC ENDAVIA®

Ref. 130000000663  
Version 4.1 (replaces: Version 4.0)

Revision Date 18.09.2019  
Issue Date 09.03.2020

- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing. Keep working clothes separately. Contaminated work clothing should not be allowed out of the workplace. Wash hands and face before breaks and immediately after handling the product. When using do not eat, drink or smoke. Keep away from food, drink and animal feedingstuffs. Remove clothing/PPE immediately if material gets inside. For environmental protection remove and wash all contaminated protective equipment before re-use. Dispose of rinse water in accordance with local and national regulations.
- Respiratory protection : Manufacturing and processing work: Half mask with vapour filter A1 (EN 141)  
Mixer and loaders must wear: Half mask with vapour filter A1 (EN 141)  
Spray application - outdoor: Tractor / sprayer with hood: No personal respiratory protective equipment normally required.  
Tractor / sprayer without hood: Half mask with a particle filter FFP1 (EN149)  
Backpack / knapsack sprayer: Half mask with a particle filter P1 (EN 143).  
Mechanical automatized spray application in closed tunnel: No personal respiratory protective equipment normally required.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

- Form : liquid
- Colour : off-white
- Odour : none
- Odour Threshold : not determined
- pH : Not available for this mixture.
- Melting point/freezing point : no data available
- Boiling point/boiling range : > 100 °C
- Flash point : > 200 °C , Method: Regulation (EC) No. 440/2008, Annex, A.9
- Self-Accelerating decomposition temperature (SADT) : no data available
- Flammability (solid, gas) : no data available
- Ignition temperature : 239 °C , Method: Regulation (EC) No. 440/2008, Annex, A.15
- Thermal decomposition : no data available
- Oxidizing properties : The product is not oxidizing.
- Explosive properties : Not explosive Method: Regulation (EC) No. 440/2008, Annex, A.14
- Lower explosion limit/ Lower : Not available for this mixture.



## ZORVEC ENDAVIA®

Ref. 130000000663  
Version 4.1 (replaces: Version 4.0)

Revision Date 18.09.2019  
Issue Date 09.03.2020

flammability limit	
Upper explosion limit/ upper flammability limit	: Not available for this mixture.
Vapour pressure	: Not available for this mixture.
Density	: no data available
Relative density	: 0,85 - 0,95
Bulk density	: no data available
Water solubility	: dispersible
Partition coefficient: n-octanol/water	: Not applicable
Auto-ignition temperature	: no data available
Solubility in other solvents	: no data available
Viscosity, dynamic	: no data available
Viscosity, kinematic	: no data available
Relative vapour density	: no data available
Evaporation rate	: Not available for this mixture.

### 9.2. Other information

No other data to be specially mentioned.

## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	: No hazards to be specially mentioned.
<b>10.2. Chemical stability</b>	: The product is chemically stable under recommended conditions of storage, use and temperature.
<b>10.3. Possibility of hazardous reactions</b>	: The hazardous reactivity of this material is unknown. Do not mix with other materials unless specifically instructed to do so under the guidance of a trained chemist.
<b>10.4. Conditions to avoid</b>	: To avoid thermal decomposition, do not overheat. Protect from frost.
<b>10.5. Incompatible materials</b>	: No materials to be especially mentioned.
<b>10.6. Hazardous decomposition products</b>	: No materials to be especially mentioned.

## SECTION 11: Toxicological information





## ZORVEC ENDAVIA®

Ref. 130000000663  
Version 4.1 (replaces: Version 4.0)

Revision Date 18.09.2019  
Issue Date 09.03.2020

### 11.1. Information on toxicological effects

#### Acute oral toxicity

Acute toxicity estimate > : 2 000 mg/kg  
Method: Calculation method  
The substance or mixture has no acute oral toxicity

#### Acute inhalation toxicity

Acute toxicity estimate : > 5 mg/l  
Method: Calculation method  
The substance or mixture has no acute inhalation toxicity

#### Acute dermal toxicity

Acute toxicity estimate > : 2 000 mg/kg  
Method: Calculation method  
The substance or mixture has no acute dermal toxicity

#### Skin irritation

EpiDerm™ skin model  
Result: No skin irritation  
Method: OECD Test Guideline 439  
Exposure time 60 min  
Information source: Internal study report (Data on the product itself)

#### Eye irritation

Classification: Not classified as irritant  
Result: No eye irritation  
Exposure time 30 min  
(Data on the product itself) (in vitro EpiOcular screen)

#### Respiratory or skin sensitisation

- Benthiavalicarb isopropyl  
Guinea pig  
Classification: May cause sensitisation by skin contact.  
Result: May cause sensitisation by skin contact.  
Information source: Data provided by an external source.

#### Repeated dose toxicity

- Oxathiapiprolin  
Oral - feed Rat  
Method: OECD Test Guideline 407  
No toxicologically significant effects were found., Organ weight changes, Information source: Internal study report
- Oral - feed Dog  
Minimal effects that do not meet the threshold for classification., Organ weight changes, Information source: Internal study report



## ZORVEC ENDAVIA®

Ref. 130000000663  
Version 4.1 (replaces: Version 4.0)

Revision Date 18.09.2019  
Issue Date 09.03.2020

Oral - feed Mouse

No toxicologically significant effects were found., Information source: Internal study report

- 2-Ethylhexan-1-ol

Ingestion Rat

Exposure time: 90 d

NOAEL: 250 mg/kg

LOAEL: 500 mg/kg

Method: OECD Test Guideline 408

No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification.

### Mutagenicity assessment

- Bentiavalicarb isopropyl

Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

- Oxathiapiprolin

Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Animal testing did not show any mutagenic effects.

### Carcinogenicity assessment

- Bentiavalicarb isopropyl

Suspected human carcinogens An increased incidence of tumours was observed in laboratory animals.  
Target(s): Uterus Liver Thyroid

- Oxathiapiprolin

Animal testing did not show any carcinogenic effects.

### Toxicity to reproduction assessment

- Bentiavalicarb isopropyl

No toxicity to reproduction Animal testing showed no reproductive toxicity.

- Oxathiapiprolin

No toxicity to reproduction Minimal effects that do not meet the threshold for classification. Slight delays in maturation observed in rats.

### Assessment teratogenicity

- Bentiavalicarb isopropyl

Animal testing showed no developmental toxicity.

- Oxathiapiprolin

Animal testing showed no developmental toxicity.

### STOT - single exposure

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

### STOT - repeated exposure



## ZORVEC ENDAVIA®

Ref. 130000000663  
Version 4.1 (replaces: Version 4.0)

Revision Date 18.09.2019  
Issue Date 09.03.2020

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

Aspiration hazard

The mixture does not have properties associated with aspiration hazard potential.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Toxicity to fish

static test / LC50 / 96 h / *Oncorhynchus mykiss* (rainbow trout): > 120 mg/l  
Method: OECD Test Guideline 203  
Information source: Internal study report (Data on the product itself)

Toxicity to aquatic plants

static test / ErC50 / 72 h / *Raphidocelis subcapitata* (freshwater green alga): > 120 mg/l  
Method: OECD Test Guideline 201  
Information source: Internal study report (Data on the product itself)

Toxicity to aquatic invertebrates

static test / EC50 / 48 h / *Daphnia magna* (Water flea): 17 mg/l  
Method: OECD Test Guideline 202  
Information source: Internal study report (Data on the product itself)

Toxicity to other organisms

LD50 / *Apis mellifera* (bees): 459.5 µg/bee  
Method: OECD Test Guideline 213  
Contact Information source: Internal study report (Data on the product itself)

Chronic toxicity to fish

- Benthialdicarb isopropyl  
NOEC / 28 d / *Oncorhynchus mykiss* (rainbow trout): > 10 mg/l  
Information source: Data provided by an external source.
- Oxathiapiprolin  
Early Life-Stage / NOEC / 35 d / *Cyprinodon variegatus* (sheepshead minnow): 0,34 mg/l  
Method: US EPA Test Guideline OPPTS 850.1400  
Information source: Internal study report

Chronic toxicity to aquatic Invertebrates

- Benthialdicarb isopropyl  
NOEC / 21 d / *Daphnia magna* (Water flea): > 10 mg/l  
Method: OECD Test Guideline 211  
Information source: Data provided by an external source.
- Oxathiapiprolin  
Semi-Static-Life-Cycle / NOEC / 21 d / *Daphnia magna* (Water flea): 0,75 mg/l



## ZORVEC ENDAVIA®

Ref. 130000000663  
Version 4.1 (replaces: Version 4.0)

Revision Date 18.09.2019  
Issue Date 09.03.2020

Method: OECD Test Guideline 211  
Information source: Internal study report

flow-through test / NOEC / 32 d / Americamysis bahia (mysid shrimp): 0,058 mg/l  
Method: OPPTS 850.1350  
Information source: Internal study report

### 12.2. Persistence and degradability

Biodegradability

Not readily biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulation

Does not bioaccumulate.

### 12.4. Mobility in soil

Mobility in soil

Under actual use conditions the product has a low potential of mobility in soil.

### 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). / This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

### 12.6. Other adverse effects

#### Additional ecological information

No other ecological effects to be specially mentioned.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

- Product : In accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not contaminate ponds, waterways or ditches with chemical or used container.
- Contaminated packaging : Do not re-use empty containers.
- European Waste Catalogue number : 02 01 08: agrochemical waste containing hazardous substances

## SECTION 14: Transport information

ADR



## ZORVEC ENDAVIA®

Ref. 130000000663  
Version 4.1 (replaces: Version 4.0)

Revision Date 18.09.2019  
Issue Date 09.03.2020

- 14.1. UN number: 3082  
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Oxathiapiprolin)  
14.3. Transport hazard class(es): 9  
14.4. Packing group: III  
14.5. Environmental hazards: For further information see Section 12.  
14.6. Special precautions for user:  
Tunnel restriction code: (-)

### IATA\_C

- 14.1. UN number: 3082  
14.2. UN proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Oxathiapiprolin)  
14.3. Transport hazard class(es): 9  
14.4. Packing group: III  
14.5. Environmental hazards : For further information see Section 12.  
14.6. Special precautions for user:  
DuPont internal recommendations and transport guidance: ICAO / IATA cargo aircraft only

### IMDG

- 14.1. UN number: 3082  
14.2. UN proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Oxathiapiprolin)  
14.3. Transport hazard class(es): 9  
14.4. Packing group: III  
14.5. Environmental hazards : Marine pollutant  
14.6. Special precautions for user:  
No special precautions required.  
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code  
Not applicable

## SECTION 15: Regulatory information

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

#### Major Accident Hazard Legislation

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

E2 ENVIRONMENTAL HAZARDS Quantity: 200 t, 500 t

#### Other regulations :

The product is classified as dangerous in accordance with Regulation (EC) No. 1272/2008.

Take note of Dir 94/33/EC on the protection of young people at work.

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.



## ZORVEC ENDAVIA®

Ref. 130000000663  
Version 4.1 (replaces: Version 4.0)

Revision Date 18.09.2019  
Issue Date 09.03.2020

Take note of Directive 96/82/EC on the control of major-accident hazards involving dangerous substances.

Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values.

Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.

This product is in full compliance according to REACH regulation 1907/2006/EC.

### 15.2. Chemical safety assessment

The mixture is evaluated within the frame of the provisions of Regulation (EC) No. 1107/2009.  
A Chemical Safety Assessment is not required for this/these product(s).

## SECTION 16: Other information

### Full text of H-Statements referred to under section 3.

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
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.

Other information professional use

### Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute toxicity estimate
CAS-No.	Chemical Abstracts Service number
CLP	Classification, Labelling and Packaging
EbC50	Concentration at which 50% reduction of biomass is observed
EC50	Median effective concentration
EN	European Norm
EPA	Environmental Protection Agency
ErC50	Concentration at which a 50% inhibition of growth rate is observed
EyC50	Concentration at which 50 % inhibition of yield is observed
IATA_C	International Air Transport Association (Cargo)
IBC	International Bulk Chemical Code
ICAO	International Civil Aviation Organization
ISO	International Standard Organization
IMDG	International Maritime Dangerous Goods
LC50	Median Lethal Concentration
LD50	Median Lethal Dose
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest observed effect level
MARPOL	International Convention for the Prevention of Marine Pollution from Ships



## ZORVEC ENDAVIA®

Ref. 130000000663  
Version 4.1 (replaces: Version 4.0)

Revision Date 18.09.2019  
Issue Date 09.03.2020

n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No observed adverse effect level
NOEC	No Observed Effect Concentration
NOEL	No Observed Effect Level
OECD	Organisation for Economic Co-operation and Development
OPPTS	Office of Prevention, Pesticides and Toxic Substances
PBT	Persistent, Bioaccumulative and Toxic
STEL	Short term exposure limit
TWA	Time Weighted Average (TWA):
vPvB	very Persistent and very Bioaccumulative

### Further information

(R) Registered trademark of E.I. du Pont de Nemours and Company

**Note:** The classification of substances listed in Annex VI to the CLP regulation are derived from assessment of the best knowledge and information available at the time of its publication or subsequent amendments. The information on components provided in sections 11 and 12 of this safety data sheet may in some cases not align with a legally binding classification on the basis of technical progress and availability of new information.

Significant change from previous version is denoted with a double bar.

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