# RIZA® 20 EC

| Version | Revision Date: | SDS Number: | Date of last issue: - |
|---|---|---|---|
| 1.0 | 23.10.2024 | 50000644 | Date of first issue: 23.10.2024 |

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

### 1.1 Product identifier

**Product name** RIZA® 20 EC

**Other means of identification**

**Product code** 50000644

Unique Formula Identifier (UFI) : C403-83JU-2N4V-RY98

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

**Use of the Substance/Mixture** : Fungicide

**Recommended restrictions on use** : Use as recommended by the label.
For professional users only.

### 1.3 Manufacturer or supplier's details

**Supplier Address**

FMC Agricultural Solutions A/S
Thyborønvej 78
DK-7673 Harboøre
Denmark

Telephone: +45 9690 9690
Telefax: +45 9690 9691
E-mail address: SDS-Info@fmc.com .

### 1.4 Emergency telephone number

For leak, fire, spill or accident emergencies, call:
Emergency telephone number: 112
Croatia: +385-17776920 (CHEMTREC)

Medical emergency:
Medical Information Phone Number: 01-23-48-342
All other countries: +1 651 / 632-6793 (Collect)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification REGULATION (EC) No 1272/2008**

| | |
|---|---|
| Skin sensitisation, Sub-category 1B | H317: May cause an allergic skin reaction. |
| Serious eye damage/eye irritation, Category 2 | H319: Causes serious eye irritation. |
| Reproductive toxicity, Category 2 | H361d: Suspected of damaging the unborn child. |
| Long-term (chronic) aquatic hazard, Category 1 | H410: Very toxic to aquatic life with long lasting effects. |

### 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008)**

Hazard pictograms :

Signal word : Warning

Hazard statements :
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H361d Suspected of damaging the unborn child.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements :

**Prevention:**

P201 Obtain special instructions before use.
P261 Avoid breathing mist or vapours.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Disposal:**

P501 Dispose of contents/container as hazardous waste in accordance with local regulations.

**Hazardous components which must be listed on the label:**

tebuconazole (ISO)

**Additional Labelling**

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

For special phrases (SP) and safety intervals, consult the label.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

**Components**

| Chemical name | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number | Classification REGULATION (EC) No 1272/2008 | Concentration (% w/w) |
|---|---|---|---|
| tebuconazole (ISO) | 107534-96-3<br>403-640-2<br>603-197-00-7 | Acute Tox. 4; H302<br>Repr. 2; H361d<br>Aquatic Acute 1; H400<br>Aquatic Chronic 1; H410<br><br>M-Factor (Acute aquatic toxicity): 1<br>M-Factor (Chronic aquatic toxicity): 10 | >= 10 - < 20 |
| octan-1-ol | 111-87-5<br>203-917-6 | Acute Tox. 4; H302<br>Acute Tox. 4; H312<br>Eye Irrit. 2; H319<br>Aquatic Chronic 3; H412<br><br>Acute toxicity estimate<br><br>Acute oral toxicity: 720 mg/kg | >= 10 - < 20 |

| | | | |
|---|---|---|---|
| | | Acute dermal toxicity: 1.501 mg/kg | |
| Tristyryl phenol-polyethylene glycol-phosphoric acid ester | 114535-82-9 | Eye Irrit. 2; H319<br>Aquatic Chronic 3; H412 | >= 2,5 - < 10 |
| Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. | 85536-14-7<br>287-494-3 | Acute Tox. 4; H302<br>Skin Corr. 1C; H314<br>Eye Dam. 1; H318<br>Aquatic Chronic 3; H412<br>---<br>Acute toxicity estimate<br><br>Acute oral toxicity: 1.470 mg/kg | >= 1 - < 2,5 |

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : Remove to fresh air.
If unconscious, place in recovery position and seek medical advice.
If experiencing any discomfort, immediately remove from exposure. Light cases: Keep person under surveillance. Get medical attention immediately if symptoms develop. Serious cases: Get medical attention immediately or call for an ambulance.

In case of skin contact : If on clothes, remove clothes.
If on skin, rinse well with water.
Wash off with soap and plenty of water.
Get medical attention immediately if irritation develops and persists.

In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

Take victim immediately to hospital.
Do not induce vomiting without medical advice.

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms : The first symptom to appear after skin or eye contact will be irritation. After ingestion, the main symptoms are passivity, impaired mobility and shortness of breath.

Risks : May cause an allergic skin reaction.
Causes serious eye irritation.
Suspected of damaging the unborn child.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

Immediate medical attention is required in case of ingestion.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Dry chemical, CO2, water spray or regular foam.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : Do not spread spilled material with high-pressure water streams.
High volume water jet

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

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Fire may produce irritating, corrosive and/or toxic gases.
Carbon oxides
Nitrogen oxides (NOx)
Sulphur oxides
Hydrogen chloride
Oxides of phosphorus
Chlorinated compounds

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : 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.

For safety reasons in case of fire, cans should be stored separately in closed containments.
Use a water spray to cool fully closed containers.

## SECTION 6: Accidental release measures

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

Personal precautions : Evacuate personnel to safe areas.
Use personal protective equipment.
If it can be safely done, stop the leak.
Do not touch or walk through the spilled material.
Never return spills in original containers for re-use.
Mark the contaminated area with signs and prevent access to unauthorized personnel.
Only qualified personnel equipped with suitable protective equipment may intervene.

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods for cleaning up : Neutralize with chalk, alkali solution or ammonia.
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).
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of aerosol.
Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Provide sufficient air exchange and/or exhaust in work rooms.
Dispose of rinse water in accordance with local and national regulations.

Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material. Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

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

Requirements for storage areas and containers : No smoking. Keep in a well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : The product is stable under normal conditions of warehouse storage. Protect from frost and extreme heat. At temperatures below -10°C crystallisation may occur. The product is degraded by fluorinated packaging materials.

Store in closed, labelled containers. The storage room should be constructed of incombustible material, closed, dry, ventilated and with impermeable floor, without access of unauthorised persons or children. A warning sign reading “POISON” is recommended. The room should only be used for storage of chemicals. Food, drink, feed and seed should not be present. A hand wash station should be available.

Recommended storage temperature : 5 - 30 °C

Further information on storage stability : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : Registered pesticide to be used in accordance with a label approved by country-specific regulatory authorities.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

**Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:**

| Substance name | End Use | Exposure routes | Potential health effects | Value |
|---|---|---|---|---|
| Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. | Workers | Inhalation | Long-term systemic effects | 6 mg/m3 |
| | Workers | Dermal | Long-term systemic effects | 85 mg/kg bw/day |
| | Consumers | Inhalation | Long-term systemic effects | 1,5 mg/m3 |
| | Consumers | Dermal | Long-term systemic effects | 42,5 mg/kg bw/day |
| | Consumers | Oral | Long-term systemic effects | 0,425 mg/kg bw/day |

**Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:**

| Substance name | Environmental Compartment | Value |
|---|---|---|
| octan-1-ol | Fresh water | 200 µg/l |
| | Marine water | 20 µg/l |
| | Sewage treatment plant | 55,5 mg/l |
| | Fresh water sediment | 2,1 mg/kg dry weight (d.w.) |
| | Marine sediment | 0,210 mg/kg dry weight (d.w.) |
| | Soil | 1,6 mg/kg dry weight (d.w.) |
| Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. | Fresh water | 0,268 mg/l |
| | Marine water | 0,027 mg/l |
| | Fresh water sediment | 8,1 mg/kg dry weight (d.w.) |
| | Marine sediment | 6,8 mg/kg dry weight (d.w.) |
| | Soil | 35 mg/kg dry weight (d.w.) |
| | Intermittent use (freshwater) | 0,0167 mg/l |
| | Sewage treatment plant | 3,43 mg/l |

### 8.2 Exposure controls

**Personal protective equipment**

Eye/face protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

Hand protection

Material : Wear chemical resistant gloves, such as barrier laminate, butyl rubber or nitrile rubber.

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

| | | |
|---|---|---|
| Skin and body protection | : | Impervious clothing<br>Choose body protection according to the amount and concentration of the dangerous substance at the work place. |
| Respiratory protection | : | In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. |
| Protective measures | : | Plan first aid action before beginning work with this product.<br>Always have on hand a first-aid kit, together with proper instructions.<br>Wear suitable protective equipment.<br>When using do not eat, drink or smoke.<br><br>In the context of professional plant protection use as recommended, the end user must refer to the label and the instructions for use. |

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | liquid |
| Colour | : | light yellow |
| Odour | : | like soap |
| Odour Threshold | : | not determined |
| Melting point/freezing point | : | not determined |
| Boiling point/boiling range | : | not determined |
| Flash point | : | 73 °C<br>Method: closed cup |
| Decomposition temperature | : | not determined |
| pH | : | 3,5 (25 °C)<br>Concentration: 1 % |
| Viscosity | | |
| Viscosity, dynamic | : | 8,99 mPa.s (20 °C)<br>4,90 mPa.s (40 °C) |
| Solubility(ies) | | |
| Water solubility | : | dispersible |
| Partition coefficient: n-octanol/water | : | Not available for this mixture. |
| Vapour pressure | : | Not available for this mixture. |
| Density | : | 978 g/l (20 °C) |
| Relative vapour density | : | not determined |
| Particle characteristics | | |
| Particle size | : | Not applicable |
| Particle Size Distribution | : | Not applicable |
| Shape | : | Not applicable |

### 9.2 Other information

| | | |
|---|---|---|
| Explosives | : | Not explosive |
| Oxidizing properties | : | Non-oxidizing |
| Flammability (liquids) | : | No applicable data available. |
| Self-ignition | : | 262 °C |
| Evaporation rate | : | not determined |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

Vapours may form explosive mixture with air.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.
Protect from frost, heat and sunlight.
Heating of the product will produce harmful and irritant vapours.

### 10.5 Incompatible materials

Materials to avoid : Avoid strong acids, bases, and oxidizers

### 10.6 Hazardous decomposition products

Stable under recommended storage conditions.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

**Acute toxicity**

Not classified based on available information.

**Product:**

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 420

Acute inhalation toxicity : LC50 (Rat): > 5,13 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg

**Components:**

**tebuconazole (ISO):**

Acute oral toxicity : LD50 (Rat, female): > 2.000 mg/kg

Method: OECD Test Guideline 425
Symptoms: ataxia, Lethargy, Breathing difficulties
Assessment: The component/mixture is minimally toxic after single ingestion.
Remarks: no mortality

Acute inhalation toxicity : LC50 (Rat, male and female): > 5,18 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
GLP: yes
Remarks: no mortality

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 402
GLP: yes
Assessment: The component/mixture is minimally toxic after single contact with skin.
Remarks: no mortality

**octan-1-ol:**

Acute oral toxicity : LD50 (Rat, male): 1.800 mg/kg

LD50 (Rat, female): 720 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 2,05 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: US EPA Test Guideline OPPTS 870.1300
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit, male and female): > 1.500 - < 2.000 mg/kg

**Tristyryl phenol-polyethylene glycol-phosphoric acid ester:**

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 401

**Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.:**

Acute oral toxicity : LD50 Oral (Rat, male and female): 1.470 mg/kg
Method: OECD Test Guideline 401
Symptoms: Diarrhoea, ataxia, diuresis, Tremors, dryness of the eyes
Remarks: mortality

Acute dermal toxicity : LD50 Dermal (Rat, male and female): > 2.000 mg/kg
Method: OECD Test Guideline 402
Remarks: no mortality

**Skin corrosion/irritation**

Not classified based on available information.

**Product:**

| | | |
|---|---|---|
| Assessment | : | No skin irritation |
| Method | : | OECD Test Guideline 404 |
| Remarks | : | May cause mild irritation.<br>Minimal effects that do not meet the threshold for classification. |
| Remarks | : | May cause skin irritation and/or dermatitis. |

**Components:**

**tebuconazole (ISO):**

| | | |
|---|---|---|
| Species | : | Rabbit |
| Assessment | : | Not classified as irritant |
| Method | : | OECD Test Guideline 404 |
| Result | : | slight irritation |
| GLP | : | yes |

**octan-1-ol:**

| | | |
|---|---|---|
| Species | : | Rabbit |
| Method | : | OECD Test Guideline 404 |
| Result | : | Mild skin irritation |

**Tristyryl phenol-polyethylene glycol-phosphoric acid ester:**

| | | |
|---|---|---|
| Species | : | Rabbit |
| Method | : | OECD Test Guideline 404 |
| Result | : | No skin irritation |

**Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.:**

| | | |
|---|---|---|
| Species | : | Rabbit |
| Method | : | OECD Test Guideline 404 |
| Result | : | Corrosive after 1 to 4 hours of exposure |

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Product:**

| | | |
|---|---|---|
| Assessment | : | Irritating to eyes. |
| Method | : | OECD Test Guideline 405 |
| Result | : | Irritation to eyes, reversing within 21 days |
| Remarks | : | May cause irreversible eye damage. |

**Components:**

**tebuconazole (ISO):**

| | | |
|---|---|---|
| Species | : | Rabbit |
| Assessment | : | No eye irritation |
| Method | : | FIFRA 81.04 |
| Remarks | : | Minimal effects that do not meet the threshold for classification. |

**octan-1-ol:**

| | | |
|---|---|---|
| Species | : | Rabbit |
| Method | : | OECD Test Guideline 405 |
| Result | : | Irritation to eyes, reversing within 21 days |

**Tristyryl phenol-polyethylene glycol-phosphoric acid ester:**

| | | |
|---|---|---|
| Species | : | Rabbit |
| Method | : | OECD Test Guideline 405 |
| Result | : | Eye irritation |

**Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.:**

| | | |
|---|---|---|
| Species | : | Rabbit |
| Method | : | OECD Test Guideline 405 |
| Result | : | Irreversible effects on the eye |

**Respiratory or skin sensitisation**

**Skin sensitisation**

May cause an allergic skin reaction.

**Respiratory sensitisation**

Not classified based on available information.

**Product:**

| | | |
|---|---|---|
| Species | : | Mouse |
| Method | : | OECD Test Guideline 429 |
| Result | : | The product is a skin sensitiser, sub-category 1B. |
| Remarks | : | Causes sensitisation. |

**Components:**

**tebuconazole (ISO):**

| | | |
|---|---|---|
| Method | : | OECD Test Guideline 406 |
| Result | : | Not a skin sensitizer. |
| Test Type | : | Local lymph node assay (LLNA) |
| Exposure routes | : | Skin contact |
| Species | : | Mouse |
| Method | : | OECD Test Guideline 429 |
| Result | : | Not a skin sensitizer. |

**octan-1-ol:**

| | | |
|---|---|---|
| Test Type | : | Maximisation Test |
| Species | : | Guinea pig |
| Method | : | OECD Test Guideline 406 |
| Result | : | Does not cause skin sensitisation. |
| Remarks | : | Based on data from similar materials |

**Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.:**

| | | |
|---|---|---|
| Test Type | : | Maximisation Test |
| Species | : | Guinea pig |
| Result | : | Does not cause skin sensitisation. |

**Germ cell mutagenicity**

Not classified based on available information.

**Components:**

**tebuconazole (ISO):**

| | | |
|---|---|---|
| Genotoxicity in vitro | : | Test Type: Ames test<br>Metabolic activation: with and without metabolic activation<br>Result: negative |
| Germ cell mutagenicity- Assessment | : | Remarks: Adverse effects on fertility such as reduced litter size and effects on development were found for tebuconazole at maternally toxic doses in an animal test (method OECD 416). Malformations of offspring were found at maternally toxic doses (based on 13 studies). |

**octan-1-ol:**

| | | |
|---|---|---|
| Genotoxicity in vitro | : | Test Type: In vitro mammalian cell gene mutation test<br>Method: OECD Test Guideline 476<br>Result: negative<br><br>Test Type: reverse mutation assay<br>Method: OECD Test Guideline 471<br>Result: negative |
| Genotoxicity in vivo | : | Test Type: Micronucleus test<br>Species: Mouse (male and female)<br>Application Route: Oral<br>Method: OECD Test Guideline 474<br>Result: negative |
| Germ cell mutagenicity- Assessment | : | Weight of evidence does not support classification as a germ cell mutagen. |

**Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.:**

| | | |
|---|---|---|
| Genotoxicity in vitro | : | Test Type: reverse mutation assay<br>Method: Regulation (EC) No. 440/2008, Annex, B.13/14 (Ames test) |

Result: negative

Test Type: Chromosome aberration test in vitro
Method: OECD Test Guideline 473
Result: equivocal

Test Type: In vitro mammalian cell gene mutation test
Method: OECD Test Guideline 476
Result: negative
Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Micronucleus test
Species: Mouse (male and female)
Method: OECD Test Guideline 474
Result: negative

Test Type: Cytogenetic assay
Species: Rat (male)
Result: negative

Test Type: Rodent Dominant Lethal Assay
Species: Mouse (male)
Result: negative

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

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

Suspected of damaging the unborn child.

**Product:**

Reproductive toxicity - Assessment : Suspected of damaging the unborn child.

**Components:**

**tebuconazole (ISO):**

Reproductive toxicity - Assessment : Some evidence of adverse effects on development, based on animal experiments., Suspected of damaging the unborn child.
Remarks: Adverse effects on fertility such as reduced litter size and effects on development were found for tebuconazole at maternally toxic doses in an animal test (method OECD 416). Malformations of offspring were found at maternally toxic doses (based on 13 studies).

**octan-1-ol:**

Effects on fertility : Test Type: one-generation reproductive toxicity

Species: Rat, male and female
Application Route: Oral
Dose: 10, 100, 1000 mg/kg bw/day
General Toxicity - Parent: NOAEL: 1.000 mg/kg bw/day
General Toxicity F1: NOAEL: 1.000 mg/kg bw/day
Result: negative

Effects on foetal development : Species: Rat
Application Route: Oral
Dose: 0,130,650,975,1300 mg/kg bw/day
Duration of Single Treatment: 20 d
General Toxicity Maternal: LOAEL: 650 mg/kg bw/day
Embryo-foetal toxicity: NOAEL: 1.300 mg/kg bw/day
Symptoms: Maternal effects
Method: OECD Test Guideline 414

Reproductive toxicity - Assessment : Weight of evidence does not support classification for reproductive toxicity

**Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.:**

Effects on fertility : Test Type: Three-generation study
Species: Rat, male and female
Application Route: Oral
Dose: 14, 70, 350mg/kg bw d
Duration of Single Treatment: 2 yr
General Toxicity - Parent: NOAEL: 350 mg/kg bw/day
General Toxicity F1: NOAEL: 350 mg/kg bw/day
General Toxicity F2: NOAEL: 350 mg/kg bw/day
Result: negative

Effects on foetal development : Test Type: reproductive and developmental toxicity study
Species: Rat
Application Route: Oral
Dose: 0.2, 2, 300, 600 milligram per kilogram
Duration of Single Treatment: 20 d
General Toxicity Maternal: NOAEL: 300 mg/kg bw/day
Embryo-foetal toxicity: NOAEL: 300 mg/L
Symptoms: Diarrhoea, Reduced body weight, Retardations
Result: negative
Remarks: Based on data from similar materials

Test Type: reproductive and developmental toxicity study
Species: Mouse
Application Route: Oral
Dose: 0.2, 2, 300, 600mg/kg/bw
General Toxicity Maternal: NOAEL: 2 mg/kg bw/day
Embryo-foetal toxicity: NOAEL: 300 mg/kg bw/day
Remarks: Based on data from similar materials

Reproductive toxicity - Assessment : Weight of evidence does not support classification for reproductive toxicity

**STOT - single exposure**

Not classified based on available information.

**STOT - repeated exposure**

Not classified based on available information.

**Components:**

**octan-1-ol:**

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

**Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.:**

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

**Repeated dose toxicity**

**Components:**

**octan-1-ol:**

| | | |
|---|---|---|
| Species | : | Rat, male |
| NOAEL | : | 1127 mg/kg bw/day |
| Application Route | : | Oral |
| Exposure time | : | 13 Weeks |
| Dose | : | 182, 374, 1127 mg/kg bw/day |

| | | |
|---|---|---|
| Species | : | Rat, female |
| NOAEL | : | 1243 mg/kg bw/day |
| Application Route | : | Oral |
| Exposure time | : | 13 Weeks |
| Dose | : | 216, 427, 1243 mg/kg bw/day |

**Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.:**

| | | |
|---|---|---|
| Species | : | Rat, male and female |
| NOAEL | : | 85 mg/kg bw/day |
| LOAEL | : | 300 mg/kg bw/day |
| Application Route | : | Oral |
| Exposure time | : | 9 months |
| Dose | : | 300, 900mg/kg/bw/day |
| Target Organs | : | Kidney, Liver |
| Symptoms | : | kidney effects, Liver effects |
| Remarks | : | Based on data from similar materials |

| | | |
|---|---|---|
| Species | : | Rat, male and female |
| NOAEL | : | 5 % |
| Application Route | : | Dermal |
| Exposure time | : | 26 weeks |
| Dose | : | 0.5, 1, 5 % |
| Remarks | : | Based on data from similar materials |

**Aspiration toxicity**

Not classified based on available information.

### 11.2 Information on other hazards

**Endocrine disrupting properties**

**Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Further information**

**Product:**

Remarks : The first symptom to appear after skin or eye contact will be irritation. After ingestion, the main symptoms are passivity, impaired mobility and shortness of breath.

Remarks : No data available

**Components:**

**tebuconazole (ISO):**

Remarks : The main symptoms were passivity, impaired mobility and shortness of breath at high doses in animal tests.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Product:**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Oncorhynchus mykiss (rainbow trout)): 24,2 mg/l<br>Exposure time: 96 h |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): 17,2 mg/l<br>Exposure time: 48 h |
| Toxicity to algae/aquatic plants | : | EC50 (Desmodesmus subspicatus (green algae)): 28,05 mg/l<br>Exposure time: 72 h<br><br>NOEC (Desmodesmus subspicatus (green algae)): 2,88 mg/l<br>Exposure time: 72 h |
| Toxicity to soil dwelling organisms | : | LC50: 1.203 mg/kg<br>Exposure time: 14 d<br>Species: Eisenia fetida (earthworms) |
| Toxicity to terrestrial organ- | : | LD50: 74 µg/bee |

| | | |
|---|---|---|
| isms | | Exposure time: 48 h<br>End point: Acute oral toxicity<br>Species: Apis mellifera (bees)<br><br>LD50: 339 µg/bee<br>Exposure time: 48 h<br>End point: Acute contact toxicity<br>Species: Apis mellifera (bees) |

**Ecotoxicology Assessment**

| | | |
|---|---|---|
| Chronic aquatic toxicity | : | Very toxic to aquatic life with long lasting effects. |

**Components:**

**tebuconazole (ISO):**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Oncorhynchus mykiss (rainbow trout)): 4,4 mg/l<br>Exposure time: 96 h<br>Test Type: flow-through test<br><br>LC50 (Lepomis macrochirus (Bluegill sunfish)): 5,7 mg/l<br>Exposure time: 96 h<br><br>LC50 (Leuciscus idus (Golden orfe)): 8,7 mg/l<br>Exposure time: 96 h |
| Toxicity to daphnia and other aquatic invertebrates | : | LC50 (Daphnia magna (Water flea)): 2,79 mg/l<br>Exposure time: 48 h<br>Test Type: flow-through test |
| Toxicity to algae/aquatic plants | : | ErC50 (Pseudokirchneriella subcapitata (algae)): 3,8 mg/l<br>Exposure time: 72 h<br>Test Type: static test<br><br>ErC50 (Scenedesmus quadricauda (Green algae)): 5,3 mg/l<br>Exposure time: 72 h<br><br>EC50 (Lemna gibba (duckweed)): 0,144 mg/l<br>Exposure time: 14 d |
| M-Factor (Acute aquatic toxicity) | : | 1 |
| Toxicity to fish (Chronic toxicity) | : | NOEC: 0,012 mg/l<br>Exposure time: 60 d<br>Species: Salmo gairdneri |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC: 0,12 mg/l<br>Exposure time: 21 d<br>Species: Daphnia magna (Water flea) |
| M-Factor (Chronic aquatic toxicity) | : | 10 |

| | | |
|---|---|---|
| Toxicity to soil dwelling organisms | : | LC50: 1.381 mg/kg<br>Exposure time: 14 d<br>Species: Eisenia fetida (earthworms) |
| Toxicity to terrestrial organisms | : | LD50: 1.988 mg/kg<br>Species: Colinus virginianus (Bobwhite quail)<br><br>LD50: > 200 µg/bee<br>Species: Apis mellifera (bees)<br>Remarks: Contact<br><br>LD50: > 83 µg/bee<br>Exposure time: 48 h<br>Species: Apis mellifera (bees)<br><br>LD50: 2.912 mg/kg<br>Species: Coturnix japonica (Japanese quail) |

**octan-1-ol:**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Pimephales promelas (fathead minnow)): 13,3 mg/l<br>Exposure time: 96 h<br>Test Type: flow-through test |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): 20 mg/l<br>Exposure time: 24 h<br>Method: OECD Test Guideline 202 |
| Toxicity to algae/aquatic plants | : | EC10 (Desmodesmus subspicatus (green algae)): 4,2 mg/l<br>Exposure time: 48 h<br>Test Type: static test<br><br>EC50 (Desmodesmus subspicatus (green algae)): 6,5 mg/l<br>Exposure time: 48 h<br>Test Type: static test |
| Toxicity to microorganisms | : | (Protozoa): 44 mg/l<br>Exposure time: 72 h<br>Test Type: Cell multiplication inhibition test<br>Remarks: Based on data from similar materials |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC: 1 mg/l<br>Exposure time: 21 d<br>Species: Daphnia magna (Water flea)<br>Method: OECD Test Guideline 211 |

**Tristyryl phenol-polyethylene glycol-phosphoric acid ester:**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Leuciscus idus (Golden orfe)): 100 - 500 mg/l<br>Exposure time: 96 h |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): > 100 mg/l<br>Exposure time: 48 h |

Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : NOEC (Desmodesmus subspicatus (green algae)): > 100 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

**Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.:**

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 1,67 mg/l
Exposure time: 96 h
Method: OPPTS 850.1075

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2,9 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
Remarks: Based on data from similar materials

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 235 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
Remarks: Based on data from similar materials

NOEC : >= 4 mg/l
Exposure time: 28 d
Test Type: flow-through test
Remarks: Based on data from similar materials

Toxicity to fish (Chronic toxicity) : NOEC: 0,23 mg/l
Exposure time: 72 d
Species: Oncorhynchus mykiss (rainbow trout)
Test Type: flow-through test
Method: OECD Test Guideline 210
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 1,18 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Test Type: flow-through test
Method: OECD Test Guideline 211
Remarks: Based on data from similar materials

Toxicity to soil dwelling organisms : NOEC: 250 mg/kg
Exposure time: 14 d
Species: Eisenia fetida (earthworms)
Method: OECD Test Guideline 207
Remarks: Based on data from similar materials

### 12.2 Persistence and degradability

**Product:**

Biodegradability : Remarks: Product contains minor amounts of not readily biodegradable components, which may not be degradable in waste water treatment plants.

**Components:**

**tebuconazole (ISO):**

Biodegradability : Result: Not readily biodegradable.

**octan-1-ol:**

Biodegradability : Inoculum: activated sludge
Result: Readily biodegradable.
Biodegradation: 82,2 %
Exposure time: 28 d
Method: OECD Test Guideline 301B

**Tristyryl phenol-polyethylene glycol-phosphoric acid ester:**

Biodegradability : Result: Not readily biodegradable.
Biodegradation: 30 - 40 %
Method: OECD Test Guideline 302B

**Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.:**

Biodegradability : Inoculum: activated sludge
Result: Readily biodegradable.
Method: OECD Test Guideline 301A

### 12.3 Bioaccumulative potential

**Product:**

Bioaccumulation : Remarks: No data is available on the product itself.

**Components:**

**tebuconazole (ISO):**

Bioaccumulation : Species: Fish
Bioconcentration factor (BCF): 65
Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: 3,7 (20 °C)

**octan-1-ol:**

Partition coefficient: n-octanol/water : log Pow: 3,5 (23 °C)
pH: 5,7

**Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.:**

| | | |
|---|---|---|
| Bioaccumulation | : | Species: Pimephales promelas (fathead minnow)<br>Bioconcentration factor (BCF): 6,0<br>Method: OECD Test Guideline 305A<br>Remarks: Based on data from similar materials |
| Partition coefficient: n-octanol/water | : | log Pow: 2,2 (23 °C)<br>pH: 3,7 |

### 12.4 Mobility in soil

**Product:**

| | | |
|---|---|---|
| Distribution among environmental compartments | : | Remarks: No data is available on the product itself. |

**Components:**

**tebuconazole (ISO):**

| | | |
|---|---|---|
| Distribution among environmental compartments | : | Remarks: Low mobility in soil |

### 12.5 Results of PBT and vPvB assessment

**Product:**

| | | |
|---|---|---|
| Assessment | : | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. |

### 12.6 Endocrine disrupting properties

**Product:**

| | | |
|---|---|---|
| Assessment | : | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |

### 12.7 Other adverse effects

**Product:**

| | | |
|---|---|---|
| Additional ecological information | : | An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.<br>Very toxic to aquatic life with long lasting effects. |

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

| | | |
|---|---|---|
| Product | : | The product should not be allowed to enter drains, water courses or the soil.<br>Do not contaminate ponds, waterways or ditches with chemical or used container.<br>Send to a licensed waste management company. |
| Contaminated packaging | : | Empty remaining contents.<br>Do not re-use empty containers.<br>Packaging that is not properly emptied must be disposed of as the unused product.<br>Empty containers should be taken to an approved waste handling site for recycling or disposal. |

## SECTION 14: Transport information

### 14.1 UN number or ID number

| | | |
|---|---|---|
| **ADN** | : | UN 3082 |
| **ADR** | : | UN 3082 |
| **RID** | : | UN 3082 |
| **IMDG** | : | UN 3082 |
| **IATA** | : | UN 3082 |

### 14.2 UN proper shipping name

| | | |
|---|---|---|
| **ADN** | : | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(Tebuconazole) |
| **ADR** | : | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(Tebuconazole) |
| **RID** | : | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(Tebuconazole) |
| **IMDG** | : | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(Tebuconazole) |
| **IATA** | : | Environmentally hazardous substance, liquid, n.o.s.<br>(Tebuconazole) |

### 14.3 Transport hazard class(es)

| | | Class | Subsidiary risks |
|---|---|---|---|
| **ADN** | : | 9 | |
| **ADR** | : | 9 | |
| **RID** | : | 9 | |
| **IMDG** | : | 9 | |

**IATA** : 9

**14.4 Packing group**

**ADN**

| | | |
|---|---|---|
| Packing group | : | III |
| Classification Code | : | M6 |
| Hazard Identification Number | : | 90 |
| Labels | : | 9 |

**ADR**

| | | |
|---|---|---|
| Packing group | : | III |
| Classification Code | : | M6 |
| Hazard Identification Number | : | 90 |
| Labels | : | 9 |
| Tunnel restriction code | : | (-) |

**RID**

| | | |
|---|---|---|
| Packing group | : | III |
| Classification Code | : | M6 |
| Hazard Identification Number | : | 90 |
| Labels | : | 9 |

**IMDG**

| | | |
|---|---|---|
| Packing group | : | III |
| Labels | : | 9 |
| EmS Code | : | F-A, S-F |

**IATA (Cargo)**

| | | |
|---|---|---|
| Packing instruction (cargo aircraft) | : | 964 |
| Packing instruction (LQ) | : | Y964 |
| Packing group | : | III |
| Labels | : | Miscellaneous |

**IATA (Passenger)**

| | | |
|---|---|---|
| Packing instruction (passenger aircraft) | : | 964 |
| Packing instruction (LQ) | : | Y964 |
| Packing group | : | III |
| Labels | : | Miscellaneous |

**14.5 Environmental hazards**

**ADN**

Environmentally hazardous : yes

**ADR**

Environmentally hazardous : yes

**RID**

Environmentally hazardous : yes

**IMDG**

Marine pollutant : yes

**IATA (Passenger)**

Environmentally hazardous : yes

**IATA (Cargo)**
Environmentally hazardous : yes

**14.6 Special precautions for user**

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.

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

| | | |
|---|---|---|
| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) | : | Conditions of restriction for the following entries should be considered: Number on list 75, 3<br><br>If you intend to use this product as tattoo ink, please contact your vendor. |
| REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). | : | Not applicable |
| Regulation (EC) on substances that deplete the ozone layer | : | Not applicable |
| Regulation (EU) 2019/1021 on persistent organic pollutants (recast) | : | Not applicable |
| Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals | : | Not applicable |
| REACH - List of substances subject to authorisation (Annex XIV) | : | Not applicable |

| | | |
|---|---|---|
| Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. | E1 | ENVIRONMENTAL HAZARDS |

**Other regulations:**

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

**The components of this product are reported in the following inventories:**

| | | |
|---|---|---|
| TCSI | : | On the inventory, or in compliance with the inventory |
| TSCA | : | Product contains substance(s) not listed on TSCA inventory. |
| AIIC | : | Not in compliance with the inventory |
| DSL | : | This product contains the following components that are not on the Canadian DSL nor NDSL.<br><br>tebuconazole (ISO) |
| ENCS | : | Not in compliance with the inventory |
| ISHL | : | Not in compliance with the inventory |
| KECI | : | Not in compliance with the inventory |
| PICCS | : | Not in compliance with the inventory |
| IECSC | : | Not in compliance with the inventory |
| NZIoC | : | Not in compliance with the inventory |
| TECI | : | Not in compliance with the inventory |

### 15.2 Chemical safety assessment

A chemical safety assessment is not required for this product (mixture).

## SECTION 16: Other information

**Full text of H-Statements**

| | | |
|---|---|---|
| H302 | : | Harmful if swallowed. |
| H312 | : | Harmful in contact with skin. |
| H314 | : | Causes severe skin burns and eye damage. |
| H318 | : | Causes serious eye damage. |
| H319 | : | Causes serious eye irritation. |
| H361d | : | Suspected of damaging the unborn child. |
| 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. |

**Full text of other abbreviations**

| | | |
|---|---|---|
| Acute Tox. | : | Acute toxicity |
| Aquatic Acute | : | Short-term (acute) aquatic hazard |
| Aquatic Chronic | : | Long-term (chronic) aquatic hazard |
| Eye Dam. | : | Serious eye damage |

| | | |
|---|---|---|
| Eye Irrit. | : | Eye irritation |
| Repr. | : | Reproductive toxicity |
| Skin Corr. | : | Skin corrosion |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; 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; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; 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; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

**Further information**

| **Classification of the mixture:** | | **Classification procedure:** |
|---|---|---|
| Skin Sens. 1B | H317 | Based on product data or assessment |
| 2 | H319 | Based on product data or assessment |
| Repr. 2 | H361d | Calculation method |
| Aquatic Chronic 1 | H410 | Based on product data or assessment |

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