

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008



Revision date 13-Jan-2022

Revision Number 1

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

1.1. Product identifier

Product Name OFEK
Product Code(s) TP.2000.F.1___ISR
Pure substance/mixture Mixture

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

Recommended use Fungicide; For professional and non-professional users
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Tapazol Chemical Works Ltd.
1st HaSolela st.
West. Ind. Zone
Beit Shemesh, Israel 9905415
Tel: +972-2-992-6040
Fax: +972-2-9926050
For further information, please contact sds@tapazol.co.il

1.4. Emergency telephone number

Emergency Telephone +972 4 777 1900
National Institute for Information on Poisoning
Rambam Health Care Campus, Haifa, Israel

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

| | |
|---------------------------------|--------------------------------|
| Skin sensitization | Category 1 - (H317) |
| Reproductive toxicity | Category 2 - (H361d); - (H362) |
| Acute aquatic toxicity | Category 1 - (H400) |
| Chronic aquatic toxicity | Category 1 - (H410) |

2.2. Label elements

Contains Tebuconazole (ISO), Oxirane, polymer with methyloxirane, mono[2,4,6-tris(1-phenylethyl)phenyl]ether, Trifloxystrobin (ISO)

**Signal word**

Warning

Hazard statements

H317 - May cause an allergic skin reaction

H361d - Suspected of damaging the unborn child

H362 - May cause harm to breast-fed children

H410 - Very toxic to aquatic life with long lasting effects

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

Precautionary Statements - EU (§28, 1272/2008)

P102 - Keep out of reach of children

P201 - Obtain special instructions before use

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P263 - Avoid contact during pregnancy/while nursing

P302 + P352 - IF ON SKIN: Wash with plenty of water/...

P308 + P313 - IF exposed or concerned: Get medical advice/attention

P405 - Store locked up

P501 - Dispose of contents/ container to an approved waste disposal plant

Additional information

SP1 - 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).

This product requires tactile warnings if supplied to the general public.

2.3. Other hazards**Endocrine Disruptor Information**

| Chemical name | EU - Endocrine Disruptors Candidate List | EU - Endocrine Disruptors - Evaluated Substances |
|--------------------|--|--|
| Tebuconazole (ISO) | Group III Chemical | - |

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable

3.2 Mixtures

| Chemical name | EC No | CAS No | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-----------------------|-------|-------------|----------|--|
| Tebuconazole (ISO) | - | 107534-96-3 | 20-26 | Acute Tox.4 (H302) Repr. 2 (H361) Aquatic Acute 1 (H400) M=1 Aquatic Chronic 1 (H410) M=10 |
| Trifloxystrobin (ISO) | - | 141517-21-7 | 9-12 | Lact. H362 Skin Sens. 1 (H317) |

| | | | | |
|---|-----------|------------|-------|---|
| | | | | Aquatic Acute 1 (H400) M=100 Aquatic Chronic 1 (H410) M=10 |
| Quarz (SiO ₂), respirable particles | 238-878-4 | 14808-60-7 | <0.01 | STOT RE (Lung) 1 (H372) |

Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---|--|
| General advice | Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. |
| Inhalation | Remove to fresh air. Get medical attention immediately if symptoms occur. |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. |
| Skin contact | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. May cause an allergic skin reaction. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. |
| Self-protection of the first aider | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8). |

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

| | |
|-----------------|--|
| Symptoms | Burning sensation. Itching. Rashes. Hives. Prolonged contact may cause redness and irritation. |
|-----------------|--|

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

| | |
|---------------------------|--|
| Note to physicians | May cause sensitization in susceptible persons. Treat symptomatically. |
|---------------------------|--|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|---------------------------------------|---|
| Suitable Extinguishing Media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Small Fire | Dry chemical, CO ₂ , water spray or regular foam. |
| Large Fire | Water spray, fog or regular foam Dike fire-control water for later disposal Move containers from fire area if you can do it without risk . |
| Unsuitable extinguishing media | Do not scatter spilled material with high pressure water streams. |

5.2. Special hazards arising from the substance or mixture

| | |
|--|---|
| Specific hazards arising from the | Product is or contains a sensitizer. May cause sensitization by skin contact. |
|--|---|

chemical

5.3. Advice for firefighters

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Store locked up.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

| Chemical name | European Union | Austria | Belgium | Netherlands | Bulgaria |
|---|--|-----------------------------|----------------------------|------------------------------|-----------------------------|
| Quarz (SiO ₂), respirable particles 14808-60-7 | TWA: 0.1 mg/m ³ | TWA: 0.15 mg/m ³ | TWA: 0.1 mg/m ³ | TWA: 0.075 mg/m ³ | TWA: 0.1 mg/m ³ |
| Chemical name | Denmark | Germany | France | United Kingdom | Spain |
| Quarz (SiO ₂), respirable particles 14808-60-7 | TWA: 0.3 mg/m ³ TWA: 0.1 mg/m ³ | - | TWA: 0.1 mg/m ³ | TWA: 0.1 mg/m ³ | TWA: 0.05 mg/m ³ |

Biological occupational exposure limits

| Chemical name | European Union | Austria | Bulgaria | Croatia | Czech Republic |
|---|----------------|------------|--|----------|----------------|
| Quarz (SiO ₂), respirable particles 14808-60-7 | - | (-) | - | - | - |
| Chemical name | Latvia | Luxembourg | Romania | Slovakia | |
| Trifloxystrobin (ISO) 141517-21-7 | - | - | 5 mg/g Creatinine - urine (Fluorine) - end of shift | - | |

8.2. Exposure controls

Personal protective equipment

- Eye/face protection** Tight sealing safety goggles.
- Hand protection** Wear suitable gloves.
- Skin and body protection** Wear suitable protective clothing.
- Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
- General hygiene considerations** Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid
Color Off- white
Odor Characteristic.

Property Values Remarks • Method

| | | |
|--|-------------------------------|----------------|
| pH | | |
| pH (as aqueous solution) | 6 - 8 | solution (5 %) |
| Melting point / freezing point | | |
| Boiling point / boiling range | | |
| Flash point | >100 °C | |
| Evaporation rate | No data available. | |
| Flammability (solid, gas) | No data available. | |
| Flammability Limit in Air | | |
| Upper flammability or explosive limits | No data available. | |
| Lower flammability or explosive limits | No data available. | |
| Vapor pressure | No data available. | |
| Vapor density | No data available. | |
| Relative density | 0.8 - 1.1 | |
| Water solubility | Forms a suspension | |
| Solubility(ies) | No data available. | |
| Partition coefficient | No data available. | |
| Autoignition temperature | No data available. | |
| Decomposition temperature | | |
| Kinematic viscosity | 733 - 1009 mm ² /s | |
| Dynamic viscosity | No data available. | |

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Oral LD50 = 5000 mg/kg. Based on available data, the classification criteria are not met.

| | |
|--|---|
| Dermal LD50 | > 2000 mg/kg. Based on available data, the classification criteria are not met. |
| Inhalation LC50 | > 2.695 mg/l air 4 h. Maximum attainable concentration. Based on available data, the classification criteria are not met. |
| Skin corrosion/irritation | Non-irritating to the skin. Based on available data, the classification criteria are not met. |
| Serious eye damage/eye irritation | Non-irritating to the eyes. Based on available data, the classification criteria are not met. |
| Respiratory or skin sensitization | Not a skin sensitizer. Based on available data, the classification criteria are not met. |

Germ cell mutagenicity

| Chemical name | European Union |
|-----------------------|----------------|
| Tebuconazole (ISO) | Not classified |
| Trifloxystrobin (ISO) | Not classified |

Carcinogenicity

| Chemical name | European Union |
|-----------------------|----------------|
| Tebuconazole (ISO) | Not classified |
| Trifloxystrobin (ISO) | Not classified |

Reproductive toxicity

| Chemical name | European Union |
|-----------------------|----------------|
| Tebuconazole (ISO) | Repr. 2 (H361) |
| Trifloxystrobin (ISO) | Lact. (H362) |

STOT - single exposure Not classified. (Based on available data, the classification criteria are not met).
(Tebuconazole, Trifloxystrobin).

STOT - repeated exposure Not classified. (Based on available data, the classification criteria are not met).
(Tebuconazole, Trifloxystrobin).

Aspiration hazard Not classified. (Based on available data, the classification criteria are not met).
(Tebuconazole, Trifloxystrobin).

SECTION 12: Ecological information**12.1. Toxicity**

Ecotoxicity Non-toxic to honeybees.

Very toxic to aquatic life:
H400 - Classification based on calculation method.
Very toxic to aquatic life with long lasting effects:
H410 - Classification based on calculation method.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|--------------------|------------------------------------|-------------------------------------|----------------------------|---|
| Tebuconazole (ISO) | Acute toxicity: ErC50 = 0.237 mg/l | Chronic toxicity: NOEC = 0.012 mg/l | - | Acute toxicity: EC50 = 0.46 mg/l. Chronic toxicity: NOEC = 0.01 mg/l |

| | | | | |
|-----------------------|--|--|---|--|
| Trifloxystrobin (ISO) | Acute toxicity: ErC50 = 0.0174 mg/l; Chronic toxicity: NOEC = 0.0025 mg/l | Acute toxicity: LC50 = 0.015 mg/l; Chronic toxicity: NOEC = 0.0043 mg/l | - | Acute toxicity: LC50 = 0/00862 mg/l; Chronic toxicity: NOEC = 0.00276 mg/l |
|-----------------------|--|--|---|--|

12.2. Persistence and degradability

Persistence and degradability Tebuconazole appeared to be persistent in soil and considered to be not rapidly degradable.
. Trifloxystrobin is not rapidly degradable.

12.3. Bioaccumulative potential

Bioaccumulation Tebuconazole is not potentially bioaccumulative.
. Trifloxystrobin is not bioaccumulative.

Bioconcentration factor (BCF) Tebuconazole: BCF < 500 L/kg;
Trifloxystrobin: BCF < 500 L/kg

Component Information

| Chemical name | Partition coefficient |
|-----------------------|--|
| Tebuconazole (ISO) | log Kow of 3.70 (Method OECD 107, 20 °C, purity 99.1%) |
| Trifloxystrobin (ISO) | log Pow of 4.5 (Method OECD TG 107 at 25 °C) |

12.4. Mobility in soil

Mobility in soil Tebuconazole: DT50 = 29.4 days (20°C).
. Trifloxystrobin: DT50 = 2.1-6.1 days (12°C).

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The components in formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

Endocrine Disruptor Information

| Chemical name | EU - Endocrine Disruptors Candidate List | EU - Endocrine Disruptors - Evaluated Substances |
|--------------------|--|--|
| Tebuconazole (ISO) | Group III Chemical | - |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information

IMDG

- 14.1 UN number 3082
- 14.2 UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Tebuconazole, Trifloxystrobin)
- 14.3 Transport hazard class(es) 9
- 14.4 Packing group III
- 14.5 Marine pollutant Yes
- Environmental hazards Yes

14.6 Special precautions for user
Special Provisions None

14.7. Transport in bulk according to
Annex II of MARPOL and the IBC
Code

RID

14.1 UN number 3082
14.2 UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Tebuconazole, Trifloxystrobin)
14.3 Transport hazard class(es) 9
14.4 Packing group III
14.5 Environmental hazards Yes
14.6 Special precautions for user
Special Provisions None

ADR

14.1 UN number 3082
14.2 UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Tebuconazole, Trifloxystrobin)
14.3 Transport hazard class(es) 9
14.4 Packing group III
14.5 Environmental hazards Yes
14.6 Special precautions for user
Special Provisions None

IATA

14.1 UN number 3082
14.2 UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Tebuconazole, Trifloxystrobin)
14.3 Transport hazard class(es) 9
14.4 Packing group III
14.5 Environmental hazards Yes
14.6 Special precautions for user
Special Provisions None

SECTION 15: Regulatory information

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

National regulations

France

Occupational Illnesses (R-463-3, France)

| Chemical name | French RG number | Title |
|---|------------------|-------|
| Quarz (SiO ₂), respirable particles 14808-60-7 | RG 25 | - |

Germany

Water hazard class (WGK) strongly hazardous to water (WGK 3)

European Union

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

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

Dangerous substance category per Seveso Directive (2012/18/EU)

E1 - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable**International Inventories**

| | |
|----------------------|--|
| TSCA | Contact supplier for inventory compliance status |
| DSL/NDSL | Contact supplier for inventory compliance status |
| EINECS/ELINCS | Contact supplier for inventory compliance status |
| ENCS | Contact supplier for inventory compliance status |
| IECSC | Contact supplier for inventory compliance status |
| KECL | Contact supplier for inventory compliance status |
| PICCS | Contact supplier for inventory compliance status |
| AICS | Contact supplier for inventory compliance status |

Legend:

| | |
|----------------------|--|
| TSCA | - United States Toxic Substances Control Act Section 8(b) Inventory |
| DSL/NDSL | - Canadian Domestic Substances List/Non-Domestic Substances List |
| EINECS/ELINCS | - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances |
| ENCS | - Japan Existing and New Chemical Substances |
| IECSC | - China Inventory of Existing Chemical Substances |
| KECL | - Korean Existing and Evaluated Chemical Substances |
| PICCS | - Philippines Inventory of Chemicals and Chemical Substances |
| AICS | - Australian Inventory of Chemical Substances |

15.2. Chemical safety assessment**SECTION 16: Other information****Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

H302 - Harmful if swallowed
H317 - May cause an allergic skin reaction
H361 - Suspected of damaging fertility or the unborn child
H362 - May cause harm to breast-fed children
H372 - Causes damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: Exposure controls/personal protection

| | | | |
|---------|-----------------------------|------|----------------------------------|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | * | Skin designation |

Classification procedure

H317 - Classification based on calculation method
H361d - Classification based on calculation method
H362 - Classification based on calculation method
H400 - Classification based on calculation method
H410 - Classification based on calculation method

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGl(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

World Health Organization

Revision date

13-Jan-2022

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

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.

End of Safety Data Sheet