

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 01-Nov-2021

Revision Number 1

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

1.1. Product identifier

Product Name OASIS
Product Code(s) TP.1001.H.1 ___ISR
Pure substance/mixture Mixture
Formula SC

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

Recommended use Herbicide; For professional users only
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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

| | |
|---|----------------------|
| Carcinogenicity | Category 1B - (H350) |
| Specific target organ toxicity (repeated exposure) | Category 2 - (H373) |
| Acute aquatic toxicity | Category 1 - (H400) |
| Chronic aquatic toxicity | Category 1 - (H410) |

2.2. Label elements

Contains Diuron, Oxyfluorfen



Signal word

Danger

Hazard statements

H350 - May cause cancer

H373 - May cause damage to organs through prolonged or repeated exposure

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

P280 - Wear protective gloves/protective clothing/eye protection/face protection

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

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

This product requires child resistant fastenings if supplied to the general public.

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).

2.3. Other hazards**Endocrine Disruptor Information**

| Chemical name | EU - Endocrine Disruptors Candidate List | EU - Endocrine Disruptors - Evaluated Substances |
|---------------|--|--|
| Diuron | Group II 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] |
|--|-----------|------------|----------|--|
| Diuron | 206-354-4 | 330-54-1 | 26-30 | Carc. 1B (H350) STOT RE 2 (H373) Aquatic Acute 1 (H400) M=100 Aquatic Chronic 1 (H410) M=100 |
| Oxyfluorfen | 255-983-0 | 42874-03-3 | 11-15 | Aquatic Acute 1 (H400) Aquatic Acute 1 (H410) |
| Poly(oxy-1,2-ethanediyl), .alpha.- [tris(1-phenylethyl)phenyl]-ome ga.- hydroxy | 619-457-8 | 99734-09-5 | 1-2 | Aquatic Chronic 3 (H412) |

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 | IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance. |
| Inhalation | Remove to fresh air. |
| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin contact | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician. |
| Ingestion | Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician. |

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

| | |
|-----------------|---|
| Symptoms | Prolonged contact may cause redness and irritation. |
|-----------------|---|

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

| | |
|---------------------------|------------------------|
| Note to physicians | 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

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 | Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. |
| 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 See Section 12 for additional Ecological Information.

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 Avoid contact with skin, eyes or clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation.

General hygiene considerations 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.

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 |
|--------------------|--------------------------|---|---------------------------|---|---------------------------|
| Diuron 330-54-1 | - | TWA: 5 mg/m ³ STEL 10 mg/m ³ | TWA: 10 mg/m ³ | - | - |
| Chemical name | Denmark | Germany | France | United Kingdom | Spain |
| Diuron 330-54-1 | TWA: 5 mg/m ³ | - | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ STEL: 30 mg/m ³ | TWA: 10 mg/m ³ |

Biological occupational exposure limits

| Chemical name | Latvia | Luxembourg | Romania | Slovakia |
|---------------------------|--------|------------|--|----------|
| Oxyfluorfen 42874-03-3 | - | - | 5 mg/g Creatinine - urine (Fluorine) - end of shift | - |

8.2. Exposure controls

Personal protective equipment

| | |
|---------------------------------------|--|
| Eye/face protection | Wear safety glasses with side shields (or 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 | 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 |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|---|--------------------|-------------------------|
| pH | 6.5 - 7.5 | |
| pH (as aqueous solution) | | |
| Melting point / freezing point | | |
| Boiling point / boiling range | | |
| Flash point | No data available. | |
| 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 | 1.15-1.17 | |
| Water solubility | Forms a suspension | |
| Solubility(ies) | No data available. | |
| Partition coefficient | No data available. | |
| Autoignition temperature | No data available. | |
| Decomposition temperature | | |
| Kinematic viscosity | No data available. | |
| Dynamic viscosity | 0.8 - 1.2 P a.s. | |

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 None known based on information supplied.

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 2000-5000 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 >5.19 mg/l air 4 h 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 |
|---------------|----------------|
| Diuron | Not classified |
| Oxyfluorfen | Not classified |

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for ingredients. Suspected of causing cancer.

| Chemical name | European Union |
|---------------|----------------|
| Diuron | Carc. 1 (H350) |
| Oxyfluorfen | Not classified |

Reproductive toxicity

| Chemical name | European Union |
|---------------|----------------|
| Diuron | Not classified |
| Oxyfluorfen | Not classified |

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

STOT - repeated exposure Cat 2 (H373) - May cause damage to organs through prolonged or repeated exposure. [Diuron].

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

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

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

H400 - Classification based on calculation method.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---------------|---|---|----------------------------|--|
| Diuron | Acute Aquatic: ErC50 = 0.00788 mg/l Chronic Aquatic: NOEC = 0.000267 mg/l | Acute Aquatic: ErC50 = 14.2 mg/l Chronic Aquatic: NOEC = 0.033 mg/l | - | Acute Aquatic: ErC50 = 1.1 mg/l Chronic Aquatic: NOEC = 0.096 mg/l |
| Oxyfluorfen | Acute toxicity: LC50 = 0.000172 mg/l Chronic toxicity: NOEC = 0.00195 mg/l | Acute toxicity: LC50 = 0.21 mg/l Chronic toxicity: NOEC = 0.038 mg/l | - | Acute toxicity: LC50 = 0.072 mg/l Chronic toxicity: NOEC = 0.013 mg/l |

12.2. Persistence and degradability

Persistence and degradability Oxyfluorfen exhibited medium to very high persistence. Oxyfluorfen is not readily biodegradable. Diuron shows moderately to highly persistent. Diuron is not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulation Oxyfluorfen shows low potential for bioaccumulation. Diuron shows no potential for bioaccumulation.

Bioconcentration factor (BCF) Diuron: No experimental study characterizing the bioconcentration potential in fish is available.
Oxyfluorfen: 184 (DT50 of 6.3 hours).

Component Information

| Chemical name | Partition coefficient |
|---------------|--|
| Diuron | 2.87 |
| Oxyfluorfen | Log Pow = 4.86 at 18C in unbuffered water and 99.2% purity |

12.4. Mobility in soil

Mobility in soil Oxyfluorfen: DT50 is 172d. Diuron: Extrapolated DT50 is 491d.

12.5. Results of PBT and vPvB assessment**PBT and vPvB assessment**

| Chemical name | PBT and vPvB assessment |
|---------------|---------------------------------|
| Diuron | The substance is not PBT / vPvB |
| Oxyfluorfen | No data available. |

12.6. Other adverse effects**Endocrine Disruptor Information**

| Chemical name | EU - Endocrine Disruptors Candidate List | EU - Endocrine Disruptors - Evaluated Substances |
|---------------|--|--|
| Diuron | Group II 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. [Oxyfluorfen], [Diuron] |
| 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. [Oxyfluorfen], [Diuron] |
| 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. [Oxyfluorfen], [Diuron] |
| 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 | Not regulated |
| 14.2 UN proper shipping name | Environmentally hazardous substance, liquid, n.o.s. [Oxyfluorfen], [Diuron] |
| 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****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**

H319 - Causes serious eye irritation

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

Legend

SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: Exposure controls/personal protection

TWA TWA (time-weighted average)

Ceiling Maximum limit value

STEL

*

STEL (Short Term Exposure Limit)

Skin designation

Classification procedure

H350 - Classification based on calculation method

H373 - 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 01-Nov-2021

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