

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

1.1. Product identifier

Product form : Mixture
Product name : OxyAgri, OxyFlow (1.5%)
Product code : Rsa /Int.Patent AppNo: WO2011061596A3
Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Professional use, Industrial use
Use of the substance/mixture : Agricultural water conditioner

| Title | Life cycle stage | Use descriptors |
|-------------------------|--------------------------|-----------------|
| OxyAgri, OxyFlow (1.5%) | Industrial, Professional | PC37 |

Full text of use descriptors: see section 16

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Makro Organics Pty Ltd
Unit 1 Floors Brand Street Langebaan Industria
Langebaan, 7357
South Africa
T +27 22 772 0399
info@makroorganics.eu, www.makroorganics.com

Distributor

Makro Organics Europe (Northern Europe)
Buiksloterbreek 90
1034 XE, Amsterdam
The Netherlands
T +31 64 466 5601

Distributor

Makro Organics Europe (Southern Europe)
Av. Alm. Gago Coutinho 38
1E, Lisboa, 1700-031
Portugal
T +351 934 112 172

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH208 - Contains Eucalyptus globulus, ext. . May produce an allergic reaction.
EUH210 - Safety data sheet available on request.

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

| Component | |
|---|--|
| Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII | Hydrogen peroxide (H ₂ O ₂) (7722-84-1), Eucalyptus globulus, ext. (84625-32-1) |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | Hydrogen peroxide (H ₂ O ₂) (7722-84-1), Eucalyptus globulus, ext. (84625-32-1) |

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Product name | Product identifier | % w/w (% w/w) | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---------------|---|
| Water | CAS-No.: 7732-18-5 EC-No.: 231-791-2 | ≥ 75 | Not classified |
| Barley, ext. | CAS-No.: 85251-64-5 EC-No.: 286-476-2 | 5 – 10 | Not classified |
| Other Plant extracts | - | 1 – 5 | Not classified |
| Hydrogen peroxide (H ₂ O ₂) (Note B) | CAS-No.: 7722-84-1 EC-No.: 231-765-0 EC Index-No.: 008-003-00-9 REACH-no: 01-2119485845-22 | 1 – 5 | Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Chronic 3, H412 |
| Eucalyptus globulus, ext. | CAS-No.: 84625-32-1 EC-No.: 283-406-2 REACH-no: 01-2119978250-37 | 0.1 – 1 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 |

Specific concentration limits:

| Product name | Product identifier | Specific concentration limits (% w/w (% w/w)) |
|--|---|---|
| Hydrogen peroxide (H ₂ O ₂) | CAS-No.: 7722-84-1 EC-No.: 231-765-0 EC Index-No.: 008-003-00-9 REACH-no: 01-2119485845-22 | (5 \leq C < 8) Eye Irrit. 2, H319 (8 \leq C < 50) Eye Dam. 1, H318 (35 \leq C < 50) Skin Irrit. 2, H315 (35 \leq C \leq 100) STOT SE 3, H335 (50 \leq C < 70) Skin Corr. 1B, H314 (50 \leq C < 70) Ox. Liq. 2, H272 (70 \leq C \leq 100) Skin Corr. 1A, H314 (70 \leq C \leq 100) Ox. Liq. 1, H271 |

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Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

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

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | : In case of doubt or persistent symptoms, consult always a physician. If medical advice is needed, have product container or label at hand. |
| First-aid measures after inhalation | : Remove the victim into fresh air. In all cases of doubt, or when symptoms persist, seek medical attention. |
| First-aid measures after skin contact | : Take off immediately all contaminated clothing. Wash skin with plenty of water and soap. If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical advice/attention. |

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

No additional information available

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|---|
| Suitable extinguishing media | : Water spray. Alcohol-resistant foam. Dry powder. Carbon dioxide (CO ₂). Making extinguishing agents environment-friendly. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Special hazards arising from the substance or mixture

| | |
|----------------------------|-------------------------------------|
| Reactivity in case of fire | : The product itself does not burn. |
|----------------------------|-------------------------------------|

5.3. Advice for firefighters

| | |
|--------------------------------|---|
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |
|--------------------------------|---|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------|--|
| General measures | : Wear personal protective equipment. Keep public away from danger area. |
|------------------|--|

6.1.1. For non-emergency personnel

| | |
|----------------------|-----------------------------------|
| Emergency procedures | : Evacuate unnecessary personnel. |
|----------------------|-----------------------------------|

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Do not allow to enter drains or water courses. Notify authorities if liquid enters sewers or public waters.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into a non combustible material e.g.: dry sand/earth/vermiculite kieselguhr, powdered limestone. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Store away from other materials.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide adequate ventilation. Avoid contact with skin, eyes and clothing.
Hygiene measures : Always wash hands after handling the product. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well-ventilated place. Containers which are opened should be properly resealed and kept upright to prevent leakage.
Incompatible materials : Strong reducing agents. Metals. combustible materials. strong alkalis.
Storage area : Keep out of direct sunlight.

7.3. Specific end use(s)

No supplementary information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

| Hydrogen peroxide (H2O2) (7722-84-1) | |
|---|---------------------------------------|
| United Kingdom - Occupational Exposure Limits | |
| Local name | Hydrogen peroxide |
| WEL TWA (OEL TWA) | 1.4 mg/m ³ |
| | 1 ppm |
| WEL STEL (OEL STEL) | 2.8 mg/m ³ |
| | 2 ppm |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

| Hydrogen peroxide (H2O2) (7722-84-1) | |
|---------------------------------------|-----------------------|
| DNEL/DMEL (Workers) | |
| Acute - local effects, inhalation | 3 mg/m ³ |
| Long-term - local effects, inhalation | 1.4 mg/m ³ |

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| Hydrogen peroxide (H₂O₂) (7722-84-1) | |
|---|--------------------------|
| DNEL/DMEL (General population) | |
| Acute - local effects, inhalation | 1.93 mg/m ³ |
| Long-term - local effects, inhalation | 0.21 mg/m ³ |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0.0126 mg/l |
| PNEC aqua (marine water) | 0.0126 mg/l |
| PNEC aqua (intermittent, freshwater) | 0.0138 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 0.047 mg/kg dwt |
| PNEC sediment (marine water) | 0.047 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 0.0023 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 4.66 mg/l |
| Eucalyptus globulus, ext. (84625-32-1) | |
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, dermal | 1 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 3.52 mg/m ³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects, oral | 0.5 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 0.87 mg/m ³ |
| Long-term - systemic effects, dermal | 0.5 mg/kg bodyweight/day |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 2.04 µg/l |
| PNEC aqua (marine water) | 0.204 µg/l |
| PNEC aqua (intermittent, freshwater) | 10.2 µg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 0.665 mg/kg dwt |
| PNEC sediment (marine water) | 0.066 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 0.134 mg/kg dwt |
| PNEC (Oral) | |
| PNEC oral (secondary poisoning) | 20 mg/kg food |
| PNEC (STP) | |
| PNEC sewage treatment plant | 10 mg/l |

8.1.5. Control banding

No additional information available

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8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure that there is a suitable ventilation system.

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Not required for normal conditions of use. Recommendation: Wear eye glasses with side protection according to EN 166.

8.2.2.2. Skin protection

Skin and body protection:

Recommendation: Wear suitable protective clothing. Standard. EN 13034

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): e.g. nitrile rubber (≥ 0.4 mm), butyl rubber (≥ 0.7 mm) and others. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear

8.2.2.3. Respiratory protection

Respiratory protection:

No respiratory protection needed under normal use conditions

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

If on skin, take off contaminated clothing. Keep away from food, drink and animal feedingstuffs. Avoid contact with skin and eyes. Wash hands before breaks and after work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---------------------------|-----------------|
| Physical state | : Liquid |
| Colour | : Colourless. |
| Odour | : Odourless. |
| Odour threshold | : Not available |
| Melting point | : Not available |
| Freezing point | : Not available |
| Boiling point | : 100 – 120 °C |
| Flammability | : Not available |
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : > 65 °C |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : > 60 °C |

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| | |
|---|---------------------|
| pH | : 6 – 7 |
| Viscosity, kinematic | : Not available |
| Solubility | : Soluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : 12 mbar |
| Vapour pressure at 50°C | : Not available |
| Density | : Not available |
| Relative density | : 1.1 |
| Relative vapour density at 20°C | : Not available |
| Particle characteristics | : Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable in use and storage conditions as recommended in item 7.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Strong acid. Strong alkalis. Strong oxidizers. Strong reducing agents.

10.6. Hazardous decomposition products

Oxygen. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

| | |
|-----------------------------|------------------|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| Hydrogen peroxide (H ₂ O ₂) (7722-84-1) | |
|--|--|
| LD50 oral rat | 693.7 – 1270 mg/kg bodyweight |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: other., Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| ATE oral | 693.7 mg/kg bodyweight |
| ATE gases | 4500 ppmv/4h |
| ATE vapours | 11 mg/l/4h |
| ATE dust/mist | 1.5 mg/l/4h |

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| Water (7732-18-5) | |
|---|--|
| LD50 oral | > 90000 mg/kg bodyweight |
| LD50 dermal | > 90000 mg/kg bodyweight |
| Eucalyptus globulus, ext. (84625-32-1) | |
| LD50 oral | 3320 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg (Source: ECHA) |
| Skin corrosion/irritation | : Not classified pH: 6 – 7 |
| Serious eye damage/irritation | : Not classified pH: 6 – 7 |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| Eucalyptus globulus, ext. (84625-32-1) | |
| NOAEL (animal/male, F0/P) | 1000 mg/kg bodyweight |
| NOAEL (animal/female, F0/P) | 300 mg/kg bodyweight |
| STOT-single exposure | : Not classified |
| Hydrogen peroxide (H2O2) (7722-84-1) | |
| STOT-single exposure | May cause respiratory irritation. |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |
| Water (7732-18-5) | |
| Hydrocarbon | Yes |
| Eucalyptus globulus, ext. (84625-32-1) | |
| Viscosity, kinematic | 1.79 mm ² /s |
| 11.2. Information on other hazards | |
| No additional information available | |
| SECTION 12: Ecological information | |
| 12.1. Toxicity | |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified |
| Hydrogen peroxide (H2O2) (7722-84-1) | |
| LC50 - Fish [1] | 16.4 mg/l Test organisms (species): Pimephales promelas |
| EC50 - Other aquatic organisms [1] | 2.4 mg/l |
| EC50 72h - Algae [1] | 1.38 mg/l Test organisms (species): Skeletonema costatum |
| LOEC (chronic) | 1.25 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic) | 0.63 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| Eucalyptus globulus, ext. (84625-32-1) | |
| LC50 - Fish [1] | 280 – 57000 µg/l |

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| Eucalyptus globulus, ext. (84625-32-1) | |
|--|------------|
| EC50 - Crustacea [1] | 0.307 mg/l |
| EC50 - Crustacea [2] | 0.475 mg/l |
| EC50 96h - Algae [1] | > 74 mg/l |

12.2. Persistence and degradability

| OxyAgri, OxyFlow (1.5%) | |
|--|------------------------|
| Persistence and degradability | Readily biodegradable. |
| Hydrogen peroxide (H2O2) (7722-84-1) | |
| Persistence and degradability | Rapidly degradable |
| Water (7732-18-5) | |
| Persistence and degradability | Rapidly degradable |
| Barley, ext. (85251-64-5) | |
| Persistence and degradability | Rapidly degradable |
| Eucalyptus globulus, ext. (84625-32-1) | |
| Persistence and degradability | Rapidly degradable |
| Other Plant extracts | |
| Persistence and degradability | Rapidly degradable |

12.3. Bioaccumulative potential

| OxyAgri, OxyFlow (1.5%) | |
|---|---------------------|
| Bioaccumulative potential | Not bioaccumulable. |
| Water (7732-18-5) | |
| Partition coefficient n-octanol/water (Log Pow) | -1.38 |
| Eucalyptus globulus, ext. (84625-32-1) | |
| Partition coefficient n-octanol/water (Log Pow) | 4.42 |

12.4. Mobility in soil

| OxyAgri, OxyFlow (1.5%) | |
|-------------------------|-------------------|
| Ecology - soil | Soluble in water. |

12.5. Results of PBT and vPvB assessment

| Component | |
|---|--|
| Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII | Hydrogen peroxide (H2O2) (7722-84-1), Eucalyptus globulus, ext. (84625-32-1) |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | Hydrogen peroxide (H2O2) (7722-84-1), Eucalyptus globulus, ext. (84625-32-1) |

12.6. Endocrine disrupting properties

No additional information available

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12.7. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecological information : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR | IMDG | IATA | ADN | RID |
|---|---------------|---------------|---------------|---------------|
| 14.1. UN number or ID number | | | | |
| Not regulated for transport | | | | |
| 14.2. UN proper shipping name | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available. | | | | |

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) | | |
|--|--|---|
| Reference code | Applicable on | Entry title or description |
| 3(a) | Hydrogen peroxide (H ₂ O ₂) ; Eucalyptus globulus, ext. | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F |
| 3(b) | Hydrogen peroxide (H ₂ O ₂) ; Eucalyptus globulus, ext. | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |
| 3(c) | Hydrogen peroxide (H ₂ O ₂) ; Eucalyptus globulus, ext. | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1 |

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Explosives Precursors Regulation (2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

ANNEX I RESTRICTED EXPLOSIVES PRECURSORS

List of substances which are not to be made available to, or introduced, possessed or used by, members of the general public, whether on their own or in mixtures or substances that include those substances, unless the concentration is equal to or lower than the limit values set out in column 2, and for which suspicious transactions and significant disappearances and thefts are to be reported within 24 hours.

| Name | CAS-No. | Limit value | Upper limit value for licensing under Article 5(3) | Combined Nomenclature (CN) code for a separate chemically defined compound meeting the requirements of Note 1 to Chapter 28 or 29 of the CN, respectively | Combined Nomenclature code for mixture without constituents which would determine classification under another CN code |
|-------------------|-----------|-------------|--|---|--|
| Hydrogen peroxide | 7722-84-1 | 12 % w/w | 35% w/w | 2847 00 00 | ex 3824 99 96 |

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Please see https://home-affairs.ec.europa.eu/policies/internal-security/counter-terrorism-and-radicalisation/protection/legislation-chemicals-used-home-made-explosives_en

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

Indication of changes:

Revision :

| Indication of changes | | | |
|-----------------------|-----------------------|----------|----------|
| Section | Changed item | Change | Comments |
| | Revision date | Modified | |
| | Supersedes | Modified | |
| | Indication of changes | Added | |
| 2.2 | Extra phrases | Removed | |
| 15.1 | REACH Annex XVII | Modified | |

Abbreviations and acronyms:

| | |
|---------|---|
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| CAS-No. | Chemical Abstract Service number |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC50 | Median effective concentration |
| ED | Endocrine disrupting properties |
| EC-No. | European Community number |
| EN | European Standard |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| IOELV | Indicative Occupational Exposure Limit Value |

OxyAgri, OxyFlow (1.5%)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Abbreviations and acronyms:

| | |
|--------|---|
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| N.O.S. | Not Otherwise Specified |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| TRGS | Technical Rules for Hazardous Substances |
| SDS | Safety Data Sheet |
| VOC | Volatile Organic Compounds |
| WGK | Water Hazard Class |
| vPvB | Very Persistent and Very Bioaccumulative |

Other information

: **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H- and EUH-statements:

| | |
|---------------------------|--|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| EUH208 | Contains Eucalyptus globulus, ext. . May produce an allergic reaction. |
| EUH210 | Safety data sheet available on request. |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |

OxyAgri, OxyFlow (1.5%)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| H226 | Flammable liquid and vapour. |
| H271 | May cause fire or explosion; strong oxidiser. |
| H272 | May intensify fire; oxidiser. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H314 | Causes severe skin burns and eye damage. |
| 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. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| Ox. Liq. 1 | Oxidising Liquids, Category 1 |
| Ox. Liq. 2 | Oxidising Liquids, Category 2 |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1, Sub-Category 1A |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |

| Full text of use descriptors | |
|------------------------------|---------------------------|
| PC37 | Water treatment chemicals |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.