



Oxivir Plus Spray

Revision: 2023-04-25

Version: 01.5

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

1.1 Product identifier

Trade name: Oxivir Plus Spray

UFI: AW71-207V-C003-C1F0

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

Product use: Hard surface cleaner.
Surface disinfectant.
for general surface disinfection
for food contact surface disinfection
for cleaning of medical devices
for disinfection of medical devices
For professional use only.

Uses advised against: Uses other than those identified are not recommended.

SWED - Sector-specific worker exposure description :

AISE_SWED_PW_11_1
AISE_SWED_PW_19_1

1.3 Details of the supplier of the safety data sheet

Diversey Europe Operations BV, Maarssenbroeksedijk 2, 3542DN Utrecht, The Netherlands

Contact details

Diversey Ltd
Weston Favell Centre, Northampton NN3 8PD, United Kingdom
Tel: 01604 405311, Fax: 01604 406809
Regulatory Email: customerservice.uk@diversey.com

1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible)
For medical or environmental emergency only:
call 0800 052 0185

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Not classified as hazardous

2.2 Label elements

Hazard statements:

EUH210 - Safety data sheet available on request.

2.3 Other hazards

No other hazards known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

| Ingredient(s) | EC number | CAS number | REACH number | Classification | Notes | Weight percent |
|-------------------|-----------|------------|--------------|---|-------|----------------|
| Hydrogen peroxide | 231-765-0 | 7722-84-1 | [6] | Ox. Liq. 1 (H271) Skin Corr. 1A (H314) Acute Tox. 4 (H302) Acute Tox. 4 (H332) STOT SE 3 (H335) Aquatic Chronic 3 (H412) | | 0.1-1 |
| salicylic acid | 200-712-3 | 69-72-7 | [6] | Repr. 2 (H361) | | 0.1-1 |

Oxivir Plus Spray

| | | | | | | |
|--|--|--|--|---------------------|--|--|
| | | | | Acute Tox. 4 (H302) | | |
| | | | | Eye Dam. 1 (H318) | | |

Specific concentration limits

Hydrogen peroxide:

- Eye Dam. 1 (H318) >= 8% > Eye Irrit. 2 (H319) >= 5%
- Skin Corr. 1A (H314) >= 70% > Skin Corr. 1B (H314) >= 50% > Skin Irrit. 2 (H315) >= 35%
- STOT SE 3 (H335) >= 35%

Workplace exposure limit(s), if available, are listed in subsection 8.1.

ATE, if available, are listed in section 11.

[6] Exempted: biocidal active. See Article 15(2) of Regulation (EC) No 1907/2006.

For the full text of the H and EUH phrases mentioned in this Section, see Section 16..

SECTION 4: First aid measures**4.1 Description of first aid measures**

- Inhalation:** Get medical attention or advice if you feel unwell.
- Skin contact:** Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.
- Eye contact:** Rinse cautiously with water for several minutes. If irritation occurs and persists, get medical attention.
- Ingestion:** Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.
- Self-protection of first aider:** Consider personal protective equipment as indicated in subsection 8.2.

4.2 Most important symptoms and effects, both acute and delayed

- Inhalation:** No known effects or symptoms in normal use.
- Skin contact:** No known effects or symptoms in normal use.
- Eye contact:** No known effects or symptoms in normal use.
- Ingestion:** No known effects or symptoms in normal use.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture

No special hazards known.

5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

No special measures required.

6.2 Environmental precautions

Dilute with plenty of water. Do not allow to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up

Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders). Do not place spilled materials back into the original container. Collect in closed and suitable containers for disposal.

6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Measures to prevent fire and explosions:**

No special precautions required.

Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

Advices on general occupational hygiene:

Handle in accordance with good industrial hygiene and safety practice. Do not mix with other products unless advised by Diversey.

Oxivir Plus Spray

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Store in a closed container. Keep only in original packaging. Keep from freezing. For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Workplace exposure limits**

Air limit values, if available:

| Ingredient(s) | UK - Long term value(s) | UK - Short term value(s) |
|-------------------|--------------------------------|--------------------------------|
| Hydrogen peroxide | 1 ppm 1.4 mg/m ³ | 2 ppm 2.8 mg/m ³ |

Biological limit values, if available:

Recommended monitoring procedures, if available:

Additional exposure limits under the conditions of use, if available:

DNEL/DMEL and PNEC values**Human exposure**

DNEL/DMEL oral exposure - Consumer (mg/kg bw)

| Ingredient(s) | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|-------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| Hydrogen peroxide | - | - | - | - |
| salicylic acid | - | 4 | - | 1 |

DNEL/DMEL dermal exposure - Worker

| Ingredient(s) | Short term - Local effects | Short term - Systemic effects (mg/kg bw) | Long term - Local effects | Long term - Systemic effects (mg/kg bw) |
|-------------------|----------------------------|--|---------------------------|---|
| Hydrogen peroxide | - | - | - | - |
| salicylic acid | No data available | - | No data available | 2 |

DNEL/DMEL dermal exposure - Consumer

| Ingredient(s) | Short term - Local effects | Short term - Systemic effects (mg/kg bw) | Long term - Local effects | Long term - Systemic effects (mg/kg bw) |
|-------------------|----------------------------|--|---------------------------|---|
| Hydrogen peroxide | - | - | - | - |
| salicylic acid | No data available | - | No data available | 1 |

DNEL/DMEL inhalatory exposure - Worker (mg/m³)

| Ingredient(s) | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|-------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| Hydrogen peroxide | 3 | - | 1.4 | - |
| salicylic acid | - | - | - | 16 |

DNEL/DMEL inhalatory exposure - Consumer (mg/m³)

| Ingredient(s) | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|-------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| Hydrogen peroxide | 1.93 | - | 0.21 | - |
| salicylic acid | - | - | 0.2 | 4 |

Environmental exposure

Environmental exposure - PNEC

| Ingredient(s) | Surface water, fresh (mg/l) | Surface water, marine (mg/l) | Intermittent (mg/l) | Sewage treatment plant (mg/l) |
|-------------------|-----------------------------|------------------------------|---------------------|-------------------------------|
| Hydrogen peroxide | 0.0126 | 0.0126 | 0.0138 | 4.66 |
| salicylic acid | 0.2 | 0.02 | 1 | 162 |

Environmental exposure - PNEC, continued

| Ingredient(s) | Sediment, freshwater (mg/kg) | Sediment, marine (mg/kg) | Soil (mg/kg) | Air (mg/m ³) |
|-------------------|------------------------------|--------------------------|--------------|--------------------------|
| Hydrogen peroxide | 0.047 | 0.047 | 0.0023 | - |
| salicylic acid | 1.42 | 0.142 | 1.66 | - |

Oxivir Plus Spray

8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

Appropriate engineering controls: Provide a good standard of general ventilation. Ensure that foam equipment does not generate respirable particles.

Appropriate organisational controls: No special requirements under normal use conditions.

REACH use scenarios considered for the undiluted product:

| | SWED - Sector-specific worker exposure description | LCS | PROC | Duration (min) | ERC |
|--------------------|--|-----|---------|----------------|-------|
| Foam spraying | AISE_SWED_PW_11_1 | PW | PROC 11 | 60 | ERC8a |
| Manual application | AISE_SWED_PW_19_1 | PW | PROC 19 | 480 | ERC8a |

Personal protective equipment

Eye / face protection:

Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product (EN 166).

Hand protection:

No special requirements under normal use conditions.

Body protection:

No special requirements under normal use conditions.

Respiratory protection:

Trigger spray bottle application: No special requirements under normal use conditions. Apply technical measures to comply with the occupational exposure limits, if available.

Environmental exposure controls:

No special requirements under normal use conditions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Information in this section refers to the product, unless it is specifically stated that substance data is listed

| | Method / remark |
|---|--|
| Physical state: Liquid | |
| Colour: Clear , Colourless | |
| Odour: Product specific | |
| Odour threshold: Not applicable | |
| Melting point/freezing point (°C): Not determined | Not relevant to classification of this product |
| Initial boiling point and boiling range (°C): Not determined | See substance data |

Substance data, boiling point

| Ingredient(s) | Value (°C) | Method | Atmospheric pressure (hPa) |
|-------------------|------------|------------------|----------------------------|
| Hydrogen peroxide | 150.2 | Method not given | |
| salicylic acid | 256 | Method not given | 1013 |

| | Method / remark |
|--|--------------------|
| Flammability (solid, gas): Not applicable to liquids | |
| Flammability (liquid): Not flammable. | |
| Flash point (°C): > 60 °C | Weight of evidence |
| Sustained combustion: Not applicable. (UN Manual of Tests and Criteria, section 32, L.2) | |
| Lower and upper explosion limit/flammability limit (%): Not determined | See substance data |

Substance data, flammability or explosive limits, if available:

| Ingredient(s) | Lower limit (% vol) | Upper limit (% vol) |
|----------------|---------------------|---------------------|
| salicylic acid | 1.1 | No data available |

| | Method / remark |
|---|-----------------|
| Autoignition temperature: Not determined | |
| Decomposition temperature: Not applicable. | |
| pH: =< 2 (neat) | ISO 4316 |
| Kinematic viscosity: Not determined | |
| Solubility in / Miscibility with water: Fully miscible | |

Substance data, solubility in water

| Ingredient(s) | Value | Method | Temperature |
|---------------|-------|--------|-------------|
|---------------|-------|--------|-------------|

Oxivir Plus Spray

| | (g/l) | | (°C) |
|-------------------|-------|------------------|------|
| Hydrogen peroxide | 1000 | Method not given | 20 |
| salicylic acid | 2 | Method not given | 20 |

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

Vapour pressure: Not determined

Method / remark

See substance data

Substance data, vapour pressure

| Ingredient(s) | Value (Pa) | Method | Temperature (°C) |
|-------------------|------------|------------------|------------------|
| Hydrogen peroxide | 214 | Method not given | 20 |
| salicylic acid | 0.02 | Method not given | 25 |

Relative density: \approx 1.00 (20 °C)

Relative vapour density: No data available.

Particle characteristics: No data available.

Method / remark

OECD 109 (EU A.3)

Not relevant to classification of this product

Not applicable to liquids.

9.2 Other information**9.2.1 Information with regard to physical hazard classes**

Explosive properties: Not explosive.

Oxidising properties: Not oxidising.

Corrosion to metals: Not corrosive

9.2.2 Other safety characteristics

Acid reserve: \approx -0.1 (g NaOH / 100g; pH=4)

SECTION 10: Stability and reactivity**10.1 Reactivity**

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal storage and use conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

10.4 Conditions to avoid

None known under normal storage and use conditions.

10.5 Incompatible materials

None known under normal use conditions.

10.6 Hazardous decomposition products

None known under normal storage and use conditions.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Mixture data:.

Relevant calculated ATE(s):

ATE - Oral (mg/kg): >2000

Skin irritation and corrosivity

Result: Not corrosive or irritant **Species:** Not applicable **Method:** Weight of evidence

Eye irritation and corrosivity

Result: Not corrosive or irritant **Species:** Not applicable. **Method:** Weight of evidence

Substance data, where relevant and available, are listed below:.

Acute toxicity

Acute oral toxicity

| Ingredient(s) | Endpoint | Value (mg/kg) | Species | Method | Exposure time (h) | ATE (mg/kg) |
|---------------|----------|---------------|---------|--------|-------------------|-------------|
|---------------|----------|---------------|---------|--------|-------------------|-------------|

Oxivir Plus Spray

| | | | | | | |
|-------------------|------------------|------------|-----|--------------------|--|-----------------|
| Hydrogen peroxide | LD ₅₀ | > 300-2000 | Rat | Weight of evidence | | Not established |
| salicylic acid | LD ₅₀ | 891 | Rat | Method not given | | 891 |

Acute dermal toxicity

| Ingredient(s) | Endpoint | Value (mg/kg) | Species | Method | Exposure time (h) | ATE (mg/kg) |
|-------------------|------------------|---------------|---------|---|-------------------|-----------------|
| Hydrogen peroxide | LD ₅₀ | > 2000 | Rabbit | Substance was tested as 35 % aqueous solution | | Not established |
| salicylic acid | LD ₅₀ | > 2000 | Rat | Method not given | | Not established |

Acute inhalative toxicity

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|-------------------|-----------------|--------------------------------|---------|------------------|-------------------|
| Hydrogen peroxide | LC ₀ | No mortality observed (vapour) | Rat | Method not given | 4 |
| salicylic acid | | No data available | | | |

Acute inhalative toxicity, continued

| Ingredient(s) | ATE - inhalation, dust (mg/l) | ATE - inhalation, mist (mg/l) | ATE - inhalation, vapour (mg/l) | ATE - inhalation, gas (mg/l) |
|-------------------|-------------------------------|-------------------------------|---------------------------------|------------------------------|
| Hydrogen peroxide | Not established | Not established | 11 | Not established |
| salicylic acid | Not established | Not established | Not established | Not established |

Irritation and corrosivity

Skin irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|-------------------|--------------|---------|------------------|---------------|
| Hydrogen peroxide | Corrosive | Rabbit | Method not given | |
| salicylic acid | Not irritant | Rabbit | Method not given | 24 hour(s) |

Eye irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|-------------------|---------------|---------|------------------|---------------|
| Hydrogen peroxide | Corrosive | Rabbit | Method not given | |
| salicylic acid | Severe damage | Rabbit | Method not given | |

Respiratory tract irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|-------------------|---------------------------------|---------|------------------|---------------|
| Hydrogen peroxide | Irritating to respiratory tract | | Method not given | |
| salicylic acid | No data available | | Method not given | |

Sensitisation

Sensitisation by skin contact

| Ingredient(s) | Result | Species | Method | Exposure time (h) |
|-------------------|-----------------|------------|------------------|-------------------|
| Hydrogen peroxide | Not sensitising | Guinea pig | Method not given | |
| salicylic acid | Not sensitising | Mouse | Method not given | |

Sensitisation by inhalation

| Ingredient(s) | Result | Species | Method | Exposure time |
|-------------------|-------------------|---------|--------|---------------|
| Hydrogen peroxide | No data available | | | |
| salicylic acid | No data available | | | |

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mutagenicity

| Ingredient(s) | Result (in-vitro) | Method (in-vitro) | Result (in-vivo) | Method (in-vivo) |
|-------------------|---|-----------------------|---|------------------|
| Hydrogen peroxide | No evidence for mutagenicity | OECD 471 (EU B.12/13) | No evidence of genotoxicity, negative test results | Method not given |
| salicylic acid | No evidence for mutagenicity, negative test results | Method not given | No evidence for mutagenicity, negative test results | Method not given |

Carcinogenicity

| Ingredient(s) | Effect |
|-------------------|--|
| Hydrogen peroxide | No evidence for carcinogenicity, negative test results |
| salicylic acid | No evidence for carcinogenicity, negative test results |

Toxicity for reproduction

Oxivir Plus Spray

| Ingredient(s) | Endpoint | Specific effect | Value (mg/kg bw/d) | Species | Method | Exposure time | Remarks and other effects reported |
|-------------------|----------|------------------------|--------------------|---------|--------------------|---------------|--|
| Hydrogen peroxide | | | No data available | | | | No evidence for reproductive toxicity |
| salicylic acid | NOAEL | Developmental toxicity | 50 | Rat | Non guideline test | | Indications of possible developmental toxicity |

Repeated dose toxicity

Sub-acute or sub-chronic oral toxicity

| Ingredient(s) | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|-------------------|----------|--------------------|---------|--------------------|----------------------|--------------------------------------|
| Hydrogen peroxide | NOAEL | 100 | Mouse | OECD 408 (EU B.26) | 90 | |
| salicylic acid | NOAEL | 45.4 | Rat | Method not given | other | |

Sub-chronic dermal toxicity

| Ingredient(s) | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|-------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| Hydrogen peroxide | | No data available | | | | |
| salicylic acid | | No data available | | | | |

Sub-chronic inhalation toxicity

| Ingredient(s) | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|-------------------|----------|--------------------|---------|--------------------|----------------------|--------------------------------------|
| Hydrogen peroxide | NOAEL | 7 | Mouse | OECD 413 (EU B.29) | 28 | |
| salicylic acid | | No data available | | | | |

Chronic toxicity

| Ingredient(s) | Exposure route | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time | Specific effects and organs affected | Remark |
|-------------------|----------------|----------|--------------------|---------|--------|---------------|--------------------------------------|--------|
| Hydrogen peroxide | | | No data available | | | | | |
| salicylic acid | | | No data available | | | | | |

STOT-single exposure

| Ingredient(s) | Affected organ(s) |
|-------------------|-------------------|
| Hydrogen peroxide | No data available |
| salicylic acid | No data available |

STOT-repeated exposure

| Ingredient(s) | Affected organ(s) |
|-------------------|-------------------|
| Hydrogen peroxide | No data available |
| salicylic acid | No data available |

Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3.

Potential adverse health effects and symptoms

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

11.2 Information on other hazards**11.2.1 Endocrine disrupting properties**

Endocrine disrupting properties - Human data, if available:

11.2.2 Other information

No other relevant information available.

SECTION 12: Ecological information**12.1 Toxicity**

No data is available on the mixture.

Substance data, where relevant and available, are listed below:

Oxivir Plus Spray

Aquatic short-term toxicity

Aquatic short-term toxicity - fish

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|-------------------|------------------|--------------|----------------------------|--------------------|-------------------|
| Hydrogen peroxide | LC ₅₀ | 16.4 | <i>Pimephales promelas</i> | EPA-OPPTS 850.1075 | 96 |
| salicylic acid | LC ₅₀ | 90 | <i>Leuciscus idus</i> | Method not given | |

Aquatic short-term toxicity - crustacea

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|-------------------|------------------|--------------|-----------------------------|------------------|-------------------|
| Hydrogen peroxide | EC ₅₀ | 2.4 | <i>Daphnia pulex</i> | Method not given | 48 |
| salicylic acid | EC ₅₀ | 105 | <i>Daphnia magna Straus</i> | Method not given | 24 |

Aquatic short-term toxicity - algae

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|-------------------|------------------|--------------|--------------------------------|-------------------|-------------------|
| Hydrogen peroxide | EC ₅₀ | 1.38 | <i>Chlorella vulgaris</i> | OECD 201 (EU C.3) | 72 |
| salicylic acid | EC ₅₀ | > 100 | <i>Desmodesmus subspicatus</i> | Method not given | 72 |

Aquatic short-term toxicity - marine species

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (days) |
|-------------------|-------------------|-------------------|-----------------------------|------------------|----------------------|
| Hydrogen peroxide | ErC ₅₀ | 1.38 | <i>Skeletonema costatum</i> | Method not given | 72 |
| salicylic acid | | No data available | | | |

Impact on sewage plants - toxicity to bacteria

| Ingredient(s) | Endpoint | Value (mg/l) | Inoculum | Method | Exposure time |
|-------------------|------------------|-------------------|-------------------------|------------------|---------------|
| Hydrogen peroxide | EC ₅₀ | 466 | <i>Activated sludge</i> | Method not given | |
| salicylic acid | | No data available | | | |

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time | Effects observed |
|-------------------|----------|-------------------|----------------------------|------------------|---------------|------------------|
| Hydrogen peroxide | NOEC | 4.3 | <i>Pimephales promelas</i> | Method not given | 96 hour(s) | |
| salicylic acid | | No data available | | | | |

Aquatic long-term toxicity - crustacea

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time | Effects observed |
|-------------------|----------|--------------|----------------------|------------------|---------------|------------------|
| Hydrogen peroxide | NOEC | 1 | <i>Daphnia pulex</i> | Method not given | 48 hour(s) | |
| salicylic acid | NOEC | 10 | <i>Daphnia magna</i> | Method not given | 21 day(s) | |

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

| Ingredient(s) | Endpoint | Value (mg/kg dw sediment) | Species | Method | Exposure time (days) | Effects observed |
|-------------------|----------|---------------------------|---------|--------|----------------------|------------------|
| Hydrogen peroxide | | No data available | | | | |
| salicylic acid | | No data available | | | | |

Terrestrial toxicity

Terrestrial toxicity - soil invertebrates, including earthworms, if available:

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|-------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| Hydrogen peroxide | | No data available | | | | |

Terrestrial toxicity - plants, if available:

Oxivir Plus Spray

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|-------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| Hydrogen peroxide | | No data available | | | | |

Terrestrial toxicity - birds, if available:

| Ingredient(s) | Endpoint | Value | Species | Method | Exposure time (days) | Effects observed |
|-------------------|----------|-------------------|---------|--------|----------------------|------------------|
| Hydrogen peroxide | | No data available | | | | |

Terrestrial toxicity - beneficial insects, if available:

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|-------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| Hydrogen peroxide | | No data available | | | | |

Terrestrial toxicity - soil bacteria, if available:

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|-------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| Hydrogen peroxide | | No data available | | | | |

12.2 Persistence and degradability**Abiotic degradation**

Abiotic degradation - photodegradation in air, if available:

| Ingredient(s) | Half-life time | Method | Evaluation | Remark |
|-------------------|----------------|------------------|------------|--------|
| Hydrogen peroxide | 24 hour(s) | Method not given | OH radical | |

Abiotic degradation - hydrolysis, if available:

| Ingredient(s) | Half-life time in fresh water | Method | Evaluation | Remark |
|-------------------|-------------------------------|--------|------------|--------|
| Hydrogen peroxide | No data available | | | |

Abiotic degradation - other processes, if available:

| Ingredient(s) | Type | Half-life time | Method | Evaluation | Remark |
|-------------------|------|-------------------|--------|------------|--------|
| Hydrogen peroxide | | No data available | | | |

Biodegradation

Ready biodegradability - aerobic conditions

| Ingredient(s) | Inoculum | Analytical method | DT ₅₀ | Method | Evaluation |
|-------------------|--------------------------|---|----------------------|------------------|--------------------------------------|
| Hydrogen peroxide | Activated sludge, aerobe | Specific analysis (primary degradation) | > 50 % in < 1 day(s) | | Not applicable (inorganic substance) |
| salicylic acid | | | 100% in 14 day(s) | Method not given | Readily biodegradable |

Ready biodegradability - anaerobic and marine conditions, if available:

| Ingredient(s) | Medium & Type | Analytical method | DT ₅₀ | Method | Evaluation |
|-------------------|---------------|-------------------|------------------|--------|-------------------|
| Hydrogen peroxide | | | | | No data available |

Degradation in relevant environmental compartments, if available:

| Ingredient(s) | Medium & Type | Analytical method | DT ₅₀ | Method | Evaluation |
|-------------------|---------------|-------------------|------------------|--------|-------------------|
| Hydrogen peroxide | | | | | No data available |

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

| Ingredient(s) | Value | Method | Evaluation | Remark |
|-------------------|-------|------------------|-----------------------------|--------|
| Hydrogen peroxide | -1.57 | | No bioaccumulation expected | |
| salicylic acid | 2.2 | Method not given | No bioaccumulation expected | |

Bioconcentration factor (BCF)

| Ingredient(s) | Value | Species | Method | Evaluation | Remark |
|-------------------|-------------------|---------|--------|-----------------------------------|--------|
| Hydrogen peroxide | 1.4 | | QSAR | Low potential for bioaccumulation | |
| salicylic acid | No data available | | | | |

Oxivir Plus Spray

12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

| Ingredient(s) | Adsorption coefficient Log Koc | Desorption coefficient Log Koc(des) | Method | Soil/sediment type | Evaluation |
|-------------------|--------------------------------|-------------------------------------|--------|--------------------|----------------|
| Hydrogen peroxide | 2 | | | | Mobile in soil |
| salicylic acid | No data available | | | | Mobile in soil |

12.5 Results of PBT and vPvB assessment

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

12.6 Endocrine disrupting properties

Endocrine disrupting properties - Environmental effects, if available:

12.7 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Waste from residues / unused products:**

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

European Waste Catalogue:

20 01 30 - detergents other than those mentioned in 20 01 29.

Empty packaging**Recommendation:**

Dispose of observing national or local regulations.

Suitable cleaning agents:

Water, if necessary with cleaning agent.

SECTION 14: Transport information**Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)****14.1 UN number or ID number:** Non-dangerous goods**14.2 UN proper shipping name:** Non-dangerous goods**14.3 Transport hazard class(es):** Non-dangerous goods**14.4 Packing group:** Non-dangerous goods**14.5 Environmental hazards:** Non-dangerous goods**14.6 Special precautions for user:** Non-dangerous goods**14.7 Maritime transport in bulk according to IMO instruments:** Non-dangerous goods**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations :**

- Regulation (EC) 1907/2006 - REACH (UK amended)
- Regulation (EC) 1272/2008 - CLP (UK amended)
- Regulation (EC) 648/2004 - Detergents regulation (UK amended)
- Medical Devices Regulations 2002
- Biocidal Products Regulations 2001 (SI 2001/880)
- Delegated Regulation (EU) 2017/2100 and Regulation (EU) 2018/605 (UK amended)
- Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- International Maritime Dangerous Goods (IMDG) Code

Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII): Not applicable.**Ingredients according to Detergents Regulation**

anionic surfactants, oxygen-based bleaching agents, non-ionic surfactants
disinfectants

< 5 %

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents (UK amended). Data to support this assertion are held at the disposal of the competent authorities of the UK and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Comah - classification: Not classified

Oxivir Plus Spray**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out on the mixture

SECTION 16: Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract

SDS code: MS1001521

Version: 01.5

Revision: 2023-04-25

Reason for revision:

This data sheet contains changes from the previous version in section(s):, 1, 7, 8, 16

Classification procedure

The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

Abbreviations and acronyms:

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- ATE - Acute Toxicity Estimate
- DNEL - Derived No Effect Limit
- EC50 - effective concentration, 50%
- ERC - Environmental release categories
- EUH - CLP Specific hazard statement
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- LCS - Life cycle stage
- LD50 - Lethal Dose, 50% / Median Lethal dose
- NOAEL - No observed adverse effect level
- NOEL - No observed effect level
- OECD - Organisation for Economic Cooperation and Development
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- PROC - Process categories
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- H271 - May cause fire or explosion; strong oxidiser.
- H302 - Harmful if swallowed.
- H314 - Causes severe skin burns and eye damage.
- H318 - Causes serious eye damage.
- H332 - Harmful if inhaled.
- H335 - May cause respiratory irritation.
- H361 - Suspected of damaging fertility or the unborn child.
- H412 - Harmful to aquatic life with long lasting effects.

End of Safety Data Sheet