

SAFETY DATA SHEET

Oxidan Special 150**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

Trade name	Oxidan Special 150
Product no.	55780, 55784, 55785, 55789
Unique formula identifier (UFI)	EMW0-Y03D-D00N-3069

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

▼ Relevant identified uses of the substance or mixture	Disinfectant based on peracetic acid Restricted to professional users.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Company and address	Novadan ApS Platinvej 21 DK-6000 Kolding Denmark
E-mail	sds@novadan.dk
Revision	17/01/2025
SDS Version	5.0
Date of previous version	31/03/2023 (4.0)

1.4. ▼ Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)
General public:
England - Dial 111 to reach NHS 111 (24 hour service)
Scotland - Dial 112 to reach NHS 24 (24 hour service)
Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)
See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture**

Org. Perox. F; H242, Heating may cause a fire.
Met. Corr. 1; H290, May be corrosive to metals.
Acute Tox. 4; H302, Harmful if swallowed.
Acute Tox. 4; H312, Harmful in contact with skin.
Skin Corr. 1A; H314, Causes severe skin burns and eye damage.
Eye Dam. 1; H318, Causes serious eye damage.
Acute Tox. 4; H332, Harmful if inhaled.
STOT SE 3; H335, May cause respiratory irritation.
Aquatic Chronic 1; H410, Very toxic to aquatic life with long lasting effects.
The informations stated in this MSDS, applies for the concentrated product.

2.2. Label elements

For professional users only.
Read attached instructions before use.

Hazard pictogram(s)



Signal word

Danger

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Hazard statement(s)	Heating may cause a fire. (H242) May be corrosive to metals. (H290) Harmful if swallowed, in contact with skin or if inhaled. (H302+H312+H332) Causes severe skin burns and eye damage. (H314) May cause respiratory irritation. (H335) Very toxic to aquatic life with long lasting effects. (H410)
Precautionary statement(s)	
General	-
▼ Prevention	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210) Keep only in original packaging. (P234) Avoid breathing mist/vapour. (P261) Avoid release to the environment. (P273) Wear eye protection/protective gloves/protective clothing. (P280)
▼ Response	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. (P303+P361+P353) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338) Immediately call a POISON CENTER/doctor. (P310)
Storage	Store in a well-ventilated place. Keep cool. (P403+P235)
Disposal	-
Hazardous substances	Hydrogen peroxide Peracetic acid Acetic acid
Additional labelling	EUH071, Corrosive to the respiratory tract.
	Active substance(s): Peracetic acid (15 g/100g)
	UFI: EMW0-Y03D-D00N-3069
▼ Labelling of contents according to Detergents Regulation (EC) No 648/2004	15% - 30% · Disinfectants < 5% · Phosphonates

2.3. Other hazards

In contact with compounds containing chlorine, toxic gases may form. Generates strong heat in contact with alkaline compounds, risk of bumping.

Undiluted, the product may be corrosive to metals.

When used in the recommended dosages, contact time and temperature, the product is compatible with acid-proof stainless steels.

▼ Additional warnings	This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.
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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. ▼ Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0 UK-REACH: Index No.: 008-003-00-9	15-25%	Ox. Liq. 1, H271 Acute Tox. 4, H302 (ATE: 694.00 mg/kg) Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %)	

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

			Acute Tox. 4, H332 STOT SE 3, H335 (SCL: 35.00 %)
Peracetic acid	CAS No.: 79-21-0 EC No.: 201-186-8 UK-REACH: Index No.: 607-094-00-8	10-15%	EUH071 Flam. Liq. 3, H226 Org. Perox. D, H242 Acute Tox. 3, H301 Acute Tox. 4, H312 Skin Corr. 1A, H314 Eye Dam. 1, H318 Acute Tox. 3, H331 STOT SE 3, H335 (SCL: 1.00 %) Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=10)
Acetic acid	CAS No.: 64-19-7 EC No.: 200-580-7 UK-REACH: Index No.: 607-002-00-6	10-15%	Flam. Liq. 3, H226 Skin Corr. 1A, H314 (SCL: 90.00 %) Skin Corr. 1B, H314 (SCL: 25.00 %) Skin Irrit. 2, H315 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 10.00 %)

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

▼ Other information

[1] European occupational exposure limit.

Specific concentration limits for peracetic acid (CAS: 79-21-0):

1 ≤ C < 35%: Acute Tox. 4 (oral)

C ≥ 35%: Acute Tox. 3 (oral)

5% ≥ C > 20%: Acute Tox. 4 (inhalation)

C ≥ 20%: Acute Tox. 3 (inhalation)

C ≥ 1%: Acute Tox. 4 (dermal)

C ≥ 1%: STOT SE3 / H335

C ≥ 5%: EUH071

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information	In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.
▼ Inhalation	IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing. If symptoms: Call 112/ambulance for medical assistance. If no symptoms: Call a POISON CENTRE or a doctor.
▼ Skin contact	IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.
▼ Eye contact	IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.
▼ Ingestion	IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.
Burns	Rinse with water until pain stops then continue to rinse for 30 minutes.

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

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

IF exposed or concerned:
Get immediate medical advice/attention.

Information to medics

The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH > 11), amines and acids like acetic acid, formic acid or propionic acid
Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES**5.1. Extinguishing media**

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. ▼ Personal precautions, protective equipment and emergency procedures**

Remove flammable materials if conditions allow it. Ensure sufficient ventilation.
Avoid direct contact with spilled substances.
Ensure adequate ventilation, especially in confined areas.
Avoid inhalation of vapours from spilled material.
Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE**7.1. ▼ Precautions for safe handling**

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment. Avoid direct contact with the product. Smoking, drinking and consumption of food is not allowed in the work area. See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. ▼ Conditions for safe storage, including any incompatibilities

Store the product away from direct sunlight in opaque containers. Store in tightly closed containers and store protected from moisture and light. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Must be stored in a cool and well-ventilated area. Keep away from food, drink and animal feeding stuffs.

Shelf-life: 24 months.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

▼ Recommended storage material	Keep only in original packaging.
Storage conditions	-20 - 30 °C
▼ Incompatible materials	Chlorine containing products. Bases

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Hydrogen peroxide

Long term exposure limit (8 hours) (ppm): 1
Long term exposure limit (8 hours) (mg/m³): 1,4
Short term exposure limit (15 minutes) (ppm): 2
Short term exposure limit (15 minutes) (mg/m³): 2,8

Acetic acid

Long term exposure limit (8 hours) (ppm): 10
Long term exposure limit (8 hours) (mg/m³): 25
Short term exposure limit (15 minutes) (ppm): 20
Short term exposure limit (15 minutes) (mg/m³): 50

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

▼ DNEL

Acetic acid

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	25 mg/m ³
Long term – Local effects - Workers	Inhalation	25 mg/m ³
Short term – Local effects - General population	Inhalation	25 mg/m ³
Short term – Local effects - Workers	Inhalation	25 mg/m ³

Hydrogen peroxide

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	210 µg/m ³
Long term – Local effects - Workers	Inhalation	1.4 mg/m ³
Short term – Local effects - General population	Inhalation	1.93 mg/m ³
Short term – Local effects - Workers	Inhalation	3 mg/m ³

Peracetic acid

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	280 µg/m ³
Long term – Local effects - Workers	Inhalation	560 µg/m ³
Short term – Local effects - General population	Inhalation	280 µg/m ³
Short term – Local effects - Workers	Inhalation	560 µg/m ³

▼ PNEC

Acetic acid

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		3.058 mg/L
Freshwater sediment		11.36 mg/kg
Intermittent release (freshwater)		30.58 mg/L
Marine water		305.8 µg/L
Marine water sediment		1.136 mg/kg

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Sewage treatment plant	85 mg/L
Soil	470 µg/kg
Hydrogen peroxide	
Route of exposure:	Duration of Exposure: PNEC:
Freshwater	12.6 µg/L
Freshwater sediment	47 µg/kg
Intermittent release (freshwater)	13.8 µg/L
Marine water	12.6 µg/L
Marine water sediment	47 µg/kg
Sewage treatment plant	4.66 mg/L
Soil	2.3 µg/kg
Peracetic acid	
Route of exposure:	Duration of Exposure: PNEC:
Freshwater	94 ng/L
Freshwater sediment	350 ng/kg
Intermittent release (freshwater)	1.6 µg/L
Marine water	9.4 ng/L
Marine water sediment	35 ng/kg
Sewage treatment plant	51 µg/L
Soil	320 µg/kg

8.2. ▼ Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios There are no exposure scenarios implemented for this product.

Exposure limits Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

▼ Appropriate technical measures The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.
Ensure that eyewash stations and safety showers are located within easy reach. Apply standard precautions during use of the product. Avoid inhalation of vapours.

▼ Hygiene measures In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally Use only UKCA marked protective equipment.

Respiratory Equipment

Type	Class	Colour	Standards
In case of inadequate ventilation use suitable respirator - A2/B2/P2			EN143/EN149



Skin protection

Recommended	Type/Category	Standards
Dedicated work clothing - should be worn.	-	-



Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Butyl	0,7	> 480	EN374-2, EN374-3, EN388, EN421



Eye protection

Type	Standards
Safety glasses	EN166



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	Colourless
Odour / Odour threshold	Sharp/pungent
pH	< 1,0 Acidity H ₂ SO ₄ [% m/m]: 13,2 (CIPAC MT191)
pH in solution	~ 6,0 (0,1%)
Density (g/cm ³)	~ 1,15
Kinematic viscosity	< 50 mPa.s Brookfield DV-II, LV-1, 100 rpm, 20°C
Particle characteristics	Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)	< -23
Softening point/range (°C)	Does not apply to liquids.
Boiling point (°C)	> 65
▼ Vapour pressure	No relevant or available data due to the nature of the product.
▼ Relative vapour density	No relevant or available data due to the nature of the product.
▼ Decomposition temperature (°C)	> 60 Self Accelerating Decomposition Temperature (SADT) OECD 113 Non-metal container

Data on fire and explosion hazards

Flash point (°C)	> 100 Pensky-Martens closed cup. EC 440/2008 A.9
Flammability (°C)	The material is not combustible.
▼ Auto-ignition temperature (°C)	No relevant or available data due to the nature of the product.
▼ Lower and upper explosion limit (% v/v)	No relevant or available data due to the nature of the product.

Solubility

Solubility in water	Completely soluble
▼ n-octanol/water coefficient (LogK _{ow})	No relevant or available data due to the nature of the product.
▼ Solubility in fat (g/L)	No relevant or available data due to the nature of the product.

9.2. Other information

▼ VOC (g/L)	157
Other physical and chemical parameters	No data available.
▼ Oxidizing properties	Not applicable - product is an organic peroxide

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product is a strong oxidizing agent that is stable under normal conditions. When heated there is a risk of decomposition. In contact with incompatible materials there is a risk of exothermic decomposition (self-increasing).

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

Degradation products are water and oxygen, which in closed containers and pipes can cause pressure rise and explosion hazard. The released oxygen can also be oxidizing. The product is stabilized.
Liberates toxic gases when mixed with chlorine containing products

10.4. ▼ Conditions to avoid

No specific requirements

10.5. ▼ Incompatible materials

Chlorine containing products.
Bases

10.6. ▼ Hazardous decomposition products

Thermal decomposition may produce corrosive vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

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

▼ Acute toxicity

Product/substance	Hydrogen peroxide
Test method:	OECD 401
Species:	Rat, male/female
Route of exposure:	Oral
Test:	LD50
Result:	694 mg/kg bw/day
Other information:	Source: ECHA

Product/substance	Hydrogen peroxide
Species:	Rabbit, male/female
Route of exposure:	Dermal
Test:	LD50
Result:	> 2000 mg/kg
Other information:	Source: ECHA

Product/substance	Peracetic acid
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	85 mg/kg
Other information:	PAA Assessment Report 11/2015

Product/substance	Peracetic acid
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	56,1 mg/kg
Other information:	PAA Assessment Report 11/2015

Product/substance	Peracetic acid
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (dust)
Result:	0,204 mg/L
Other information:	PAA Assessment Report 11/2015

Product/substance	Peracetic acid
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According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Test method:	EPA OPP 81-2 (Acute Dermal Toxicity)
Species:	Rabbit, New Zealand White, male/female
Route of exposure:	Dermal
Test:	LD50
Result:	1957 mg/kg bw
Other information:	based on product (11.69% PAA)

Product/substance	Peracetic acid
Test method:	EPA OPP 81-2 (Acute Dermal Toxicity)
Species:	Rabbit, New Zealand White, male/female
Route of exposure:	Dermal
Test:	LD50
Result:	1147 mg/kg bw
Other information:	based on product (4.89% PAA)

Product/substance	Acetic acid
Species:	Rat, male/female
Route of exposure:	Oral
Test:	LD50
Result:	3310 mg/kg
Other information:	Source: ECHA

Product/substance	Acetic acid
Species:	Mouse
Route of exposure:	Inhalation
Test:	LC50
Result:	> 40000 mg/m ³ air
Other information:	Source: ECHA

Harmful if swallowed.
Harmful in contact with skin.
Harmful if inhaled.

▼ Skin corrosion/irritation

Product/substance	Hydrogen peroxide
Test method:	Draize-test
Species:	Rabbit
Result:	Adverse effect observed (Corrosive)
Other information:	Source: ECHA

Product/substance	Peracetic acid
Test method:	OECD 404
Species:	Rabbit
Result:	Adverse effect observed (Corrosive)
Other information:	Source: ECHA

Product/substance	Acetic acid
Test method:	OECD 404
Species:	Rabbit
Duration:	4 h
Result:	Adverse effect observed (Slightly irritating)
Other information:	Source: ECHA

Causes severe skin burns and eye damage.

▼ Serious eye damage/irritation

Product/substance	Hydrogen peroxide
Test method:	Draize-test
Species:	Rabbit
Duration:	No data available.
Result:	Adverse effect observed (Causes serious eye damage)
Other information:	Source: ECHA

Product/substance	Peracetic acid
Test method:	OECD 405
Species:	Rabbit
Result:	Adverse effect observed (Causes serious eye damage)
Other information:	Source: ECHA

Product/substance	Acetic acid
Test method:	OECD 405
Species:	Rabbit

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Duration: 4 h
Result: Adverse effect observed (Irritating)
Other information: Source: ECHA

Causes serious eye damage.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

▼ STOT-single exposure

Product/substance: Peracetic acid
Route of exposure: Inhalation
Conclusion: Adverse effect observed
Other information: PAA Assessment Report 11/2015

Product/substance: Acetic acid
Route of exposure: Inhalation
Conclusion: No adverse effect observed
Other information: Source: ECHA

May cause respiratory irritation.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

▼ Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

Hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. ▼ Toxicity

Product/substance: Hydrogen peroxide
Test method: US EPA TSCA TG LC50
Species: Fish, Pimephales promelas
Duration: 96 hours
Test: LC50
Result: 16,4 mg/L
Other information: Source: ECHA

Product/substance: Hydrogen peroxide
Test method: US EPA TSCA TG EC50
Species: Crustacean, Daphnia magna
Duration: No data available.
Test: LC50

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Result:	2,4 mg/L
Other information:	Source: ECHA
Product/substance	Hydrogen peroxide
Test method:	Other guidelines
Species:	Algae, Skeletonema costatum
Duration:	72 hours
Test:	NOEC
Result:	0,63 mg/L
Other information:	35% solution
Product/substance	Hydrogen peroxide
Test method:	ASTM E 1193-97
Species:	Daphnia, Daphnia magna
Duration:	21 days
Test:	NOEC
Result:	0,63 mg/L
Other information:	Source: ECHA
Product/substance	Peracetic acid
Test method:	OECD 203
Species:	Fish, Oncorhynchus mykiss
Duration:	No data available.
Result:	0,67 mg/L
Other information:	Source: ECHA
Product/substance	Peracetic acid
Test method:	EC50 EPA OPP 72-3
Species:	Crustacean, Daphnia magna
Duration:	48 hours
Result:	0,73 mg/L
Other information:	PAA Assessment Report 11/2015
Product/substance	Peracetic acid
Species:	Fish, Lepomis macrochirus
Duration:	96 hours
Test:	LC50
Result:	1,1 mg/L
Other information:	PAA Assessment Report 11/2015
Product/substance	Peracetic acid
Species:	Fish, Danio rerio
Duration:	28 days
Test:	NOEC
Result:	0,00069 mg/L
Other information:	PAA Assessment Report 11/2015
Product/substance	Peracetic acid
Species:	Daphnia, Daphnia magna
Duration:	21 days
Test:	NOEC
Result:	0,0121 mg/L
Other information:	PAA Assessment Report 11/2015
Product/substance	Peracetic acid
Species:	Algae, Selenastrum capricornutum
Duration:	72 hours
Test:	EC50
Result:	0,16 mg/L
Other information:	PAA Assessment Report 11/2015
Product/substance	Peracetic acid
Species:	Algae, Selenastrum capricornutum
Duration:	72 hours
Test:	NOEC
Result:	0,061 mg/L
Other information:	PAA Assessment Report 11/2015
Product/substance	Acetic acid
Test method:	OECD 203

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Species:	Fish, <i>Oncorhynchus mykiss</i>
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	> 300,82 mg/L
Other information:	Source: ECHA

Product/substance	Acetic acid
Test method:	OECD 201
Species:	Algae, <i>Skeletonema costatum</i>
Compartment:	Marine water
Duration:	72 hours
Test:	EC50
Result:	> 300,82 mg/L
Other information:	Source: ECHA

Product/substance	Acetic acid
Test method:	OECD 202
Species:	Daphnia, <i>Daphnia magna</i>
Compartment:	Freshwater
Duration:	48 hours
Test:	EC50
Result:	> 300,82 mg/L
Other information:	Source: ECHA

Very toxic to aquatic life with long lasting effects.

12.2. ▼ Persistence and degradability

Product/substance	Hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	Peracetic acid
Result:	> 70 %
Conclusion:	Readily biodegradable
Test:	OECD 301 E

Product/substance	Acetic acid
Conclusion:	Readily biodegradable

The product is easily biodegradable.

12.3. ▼ Bioaccumulative potential

Product/substance	Hydrogen peroxide
Conclusion:	No potential for bioaccumulation

Product/substance	Peracetic acid
Conclusion:	No potential for bioaccumulation

Product/substance	Acetic acid
Conclusion:	No potential for bioaccumulation

The product is not bioaccumulating

12.4. Mobility in soil

No data available.

12.5. ▼ Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. ▼ Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. ▼ Other adverse effects

Large amounts of the product may affect the acidity (pH-factor) in water with possible risk of harmful effects to aquatic organisms.

SECTION 13: DISPOSAL CONSIDERATIONS

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

13.1. ▼Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)

HP 3 - Flammable

HP 5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

HP 6 - Acute toxicity

HP 8 - Corrosive

HP 14 - Ecotoxic

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Do not empty into drains; dispose of this material and its container at hazardous or special waste collection point.

Dispose of waste and residues in accordance with local authority requirements.

▼ EWC code 16 09 03* Peroxides, for example hydrogen peroxide

▼ Contaminated packing

▼ EWC code 15 01 10* Packaging containing residues of or contaminated by dangerous substances

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	UN3109	ORGANIC PEROXIDE TYPE F, LIQUID (Peracetic acid)	Transport hazard class: 5.2 (8) Label: 5.2 (8) Classification code: P1   	-	Yes	Limited quantities: 125 ml Tunnel restriction code: (D) See below for additional information.
IMDG	UN3109	ORGANIC PEROXIDE TYPE F, LIQUID (Peracetic acid)	Transport hazard class: 5.2 (8) Label: 5.2 (8) Classification code: P1   	-	Yes	Limited quantities: 125 ml EmS: F-J S-R See below for additional information.
IATA	UN3109	ORGANIC PEROXIDE TYPE F, LIQUID (Peracetic acid)	Transport hazard class: 5.2 (8) Label: 5.2 (8) Classification code: P1   	-	Yes	See below for additional information.

* Packing group

** Environmental hazards

▼ Additional information

This product is within scope of the regulations of transport of dangerous goods.

ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.
IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.
Self Accelerating Decomposition Temperature (SADT): >60°C

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

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

Restrictions for application	Restricted to professional users. People under the age of 18 shall not be exposed to this product. Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.
Demands for specific education	No specific requirements.
SEVESO - Categories / dangerous substances	P6b - SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES, Qualifying quantity (lower-tier): 50 tonnes / (upper-tier): 200 tonnes E1 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes / (upper-tier): 200 tonnes
Regulation on explosives precursors	Hydrogen peroxide (Annex I)
▼ REACH, Annex XVII	Peracetic acid is subject to UK-REACH restrictions (entry 40). Acetic acid is subject to UK-REACH restrictions (entry 40).
▼ Labelling of contents according to Detergents Regulation (EC) No 648/2004	15% - 30% · Disinfectants < 5% · Phosphonates
Additional information	Not applicable.
Sources	The Management of Health and Safety at Work Regulations 1999. The Health and Safety at Work etc. Act 1974 Regulations 2013. Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Control of Major Accident Hazards (COMAH) Regulations 2015. In accordance with Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products as retained and amended in UK law. Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law. Council Regulation (EC) No 2019/1148 on explosives precursors as retained and amended in UK law. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law. Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

▼ Full text of H-phrases as mentioned in section 3

H314, Corrosive to the respiratory tract.
H226, Flammable liquid and vapour.
H242, Heating may cause a fire.
H271, May cause fire or explosion; strong oxidiser.
H301, Toxic if swallowed.
H302, Harmful if swallowed.
H312, Harmful in contact with skin.
H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H331, Toxic if inhaled.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H400, Very toxic to aquatic life.
H410, Very toxic to aquatic life with long lasting effects.

▼ Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

▼ Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.
The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.
The classification of the mixture in regard to physical hazards has been based on experimental data.

The safety data sheet is validated by

SUSM

▼ Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: GB-en