



DEC-SPORE® 200 Plus Sporicide

Safety Data Sheet

according to Regulation (EC) No. 453/2010

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

1.1. Product identifier

Product form : Mixture
Product name : DEC-SPORE® 200 Plus Sporicide
Product code : SDS VEL-120-EU

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Disinfectant and Sporicide

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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vai@sterile.com

Veltek Associates Inc., Branch Office Europe
PO Box 1062,
8200 BB Lelystad
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Customer Service (USA) +800 00888700

1.4. Emergency telephone number

Emergency number : For Spill/Exposure Emergency Response Service in Europe in English (and 23 European languages)(24 hours): +44 1235 239 670. For Arabic (24 hours): +44 1235 239 671.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

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]

No labelling applicable

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Hydrogen peroxide	(CAS No) 7722-84-1 (EC No.) 231-765-0 (EC index No.) 008-003-00-9	1 - 2.5	R5 O; R8 C; R35 Xn; R20/22
Acetic acid	(CAS No) 64-19-7 (EC No.) 200-580-7 (EC index No.) 607-002-00-6	0.1 - 1	R10 C; R35

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Name	Product identifier	%	Classification according to Directive 67/548/EEC
Peracetic acid	(CAS No) 79-21-0 (EC No.) 201-186-8 (EC index No.) 607-094-00-8	0.1 - 1	R10 O; R7 Xn; R20/21/22 C; R35 N; R50
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrogen peroxide	(CAS No) 7722-84-1 (EC No.) 231-765-0 (EC index No.) 008-003-00-9	1 - 2.5	Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1A, H314 STOT SE 3, H335
Acetic acid	(CAS No) 64-19-7 (EC No.) 200-580-7 (EC index No.) 607-002-00-6	0.1 - 1	Flam. Liq. 3, H226 Skin Corr. 1A, H314
Peracetic acid	(CAS No) 79-21-0 (EC No.) 201-186-8 (EC index No.) 607-094-00-8	0.1 - 1	Flam. Liq. 3, H226 Org. Perox. D, H242 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Aquatic Acute 1, H400

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

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop obtain medical attention.
- First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If symptoms develop, obtain medical attention.
- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms develop, obtain medical attention.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. If symptoms develop, obtain medical attention.

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

- Symptoms/injuries after skin contact : May cause skin irritation.
- Symptoms/injuries after eye contact : May cause eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : Not flammable.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus when in close proximity to fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with eyes.

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

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6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection. Use chemically protective clothing.
Emergency procedures : Ensure adequate ventilation.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not breathe fume.
Hygiene measures : Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Comply with applicable regulations.
Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Incompatible materials. Keep container tightly closed.
Incompatible products : Alcohol. Alkalis. Metals. Reducing agents.

7.3. Specific end use(s)

Disinfectant.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hydrogen peroxide (7722-84-1)		
United Kingdom	Local name	Hydrogen peroxide
United Kingdom	WEL TWA (mg/m ³)	1.4 mg/m ³
United Kingdom	WEL TWA (ppm)	1 ppm
United Kingdom	WEL STEL (mg/m ³)	2.8 mg/m ³
United Kingdom	WEL STEL (ppm)	2 ppm

8.2. Exposure controls

- Appropriate engineering controls : Ensure adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Personal protective equipment : Avoid all unnecessary exposure.
Hand protection : Polyvinylchloride (PVC) /. Standard EN 374 - Protective gloves against chemicals.
Eye protection : Chemical goggles or safety glasses. Standard EN 166 - Personal eye-protection.
Skin and body protection : Wear suitable protective clothing.
Respiratory protection : If the occupational exposure limit is exceeded : Wear suitable respiratory equipment.
Thermal hazard protection : Not required for normal conditions of use.
Environmental exposure controls : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
Appearance : Clear.
Colour : Colourless.
Odour : Pungent.
Odour threshold : No data available
pH : 2.5 - 3
Relative evaporation rate (butylacetate=1) : No data available
Melting point : 0 °C (32 °F)
Freezing point : No data available

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Boiling point	: 100 °C (212 °F)
Flash point	: Not flammable
Auto-ignition temperature	: Not flammable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.004 (20 °C/68 °F)
Solubility	: Miscible.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive.
Oxidising properties	: Moderate oxidizer of susceptible materials.
Explosive limits	: Not applicable

9.2. Other information

: This diluted product is compatible with stainless steel and aluminium surfaces. For other materials a smaller test area should be used to determine compatibility before use.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

See Section 10.5.

10.4. Conditions to avoid

Extremely high or low temperatures. Keep out of direct sunlight. Freezing.

10.5. Incompatible materials

Alcohols. Reducing agents. Metals. Metallic salts. Alkalis.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Phosphorous oxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Hydrogen peroxide (7722-84-1)	
LD50 oral rat	376 mg/kg
LD50 dermal rat	4076 mg/kg
LC50 inhalation rat (mg/l)	2 mg/l/4h

Acetic acid (64-19-7)	
LD50 oral rat	3.31 g/kg
LD50 dermal rabbit	1060 mg/kg
LC50 inhalation rat (mg/l)	11.4 mg/l/4h

Skin corrosion/irritation	: Not classified pH: 2.5 - 3
Serious eye damage/irritation	: Not classified Causes severe skin burns and eye damage pH: 2.5 - 3
Respiratory or skin sensitisation	: Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met

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Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Hydrogen peroxide (7722-84-1)	
LC50 fish	26.7 mg/l 96 h - Bluegill (Lepomis macrochirus)
LC50 other aquatic organisms	155 mg/l 24 h - Chameleon goby (Tridentiger trigonocephalus)
EC50 Daphnia	24 mg/l 48 h - Daphnia
LC50 fish 2	89 mg/l 24 h - Jack Mackerel (Trachurus japonicus)
LC50 other aquatic organisms 2	22 mg/l 96 h - Rainbow trout, donaldson trout (Oncorhynchus mykiss)

Acetic acid (64-19-7)	
LC50 fish	75 mg/l 96 h - Bluegill (Lepomis macrochirus)
LC50 other aquatic organisms	79 mg/l 96 h - Fathead minnow (Pimephales promelas)
EC50 Daphnia	65 mg/l 48 h - Water flea (Daphnia magna)

12.2. Persistence and degradability

DEC-SPORE® 200 Plus Sporicide	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

DEC-SPORE® 200 Plus Sporicide	
Bioaccumulative potential	Not established.

Acetic acid (64-19-7)	
Log Kow	-0.17

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

DEC-SPORE® 200 Plus Sporicide	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

12.6. Other adverse effects

: Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container at hazardous or special waste collection point.
Additional information	: Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

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

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR/RID)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable

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14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information : Not classified.

14.6. Special precautions for user

Special transport precautions : Not applicable - This dilution of product is an on-site dilution in water by the user according to product label directions. It is not supplied nor transported in commerce at this dilution. See VEL SDS #DS200-0397-01-01 for transport information and hazards of undiluted product concentrate.

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

Transport regulations (IATA) : Not applicable. See Section 14.6.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : This document applies to the use dilution of this product after mixing according to label directions (for example, after mixing the concentrated material 1 part concentrate to 20 parts water according to label directions). For transport and hazards of the undiluted product concentrate before mixing, see SDS #VEL DS200-0397-01-01.

Full text of R-, H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
Org. Perox. D	Organic Peroxides, Type D
Ox. Liq. 1	Oxidising Liquids, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour
H242	Heating may cause a fire
H271	May cause fire or explosion; strong oxidiser
H302	Harmful if swallowed
H312	Harmful in contact with skin

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H314	Causes severe skin burns and eye damage
H332	Harmful if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
R10	Flammable
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R20/22	Harmful by inhalation and if swallowed
R35	Causes severe burns
R5	Heating may cause an explosion
R50	Very toxic to aquatic organisms
R7	May cause fire
R8	Contact with combustible material may cause fire
C	Corrosive
N	Dangerous for the environment
O	Oxidising
Xn	Harmful

NCEC SDS EU (REACH ANNEX II)

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