

Safety Data Sheet according to HPR, Schedule 1

Printing date 04/02/2021

Reviewed on 02/17/2021

1 Identification

Product identifier

Trade name: PerOxytabs® 9

Application of the substance / the mixture Tablets for surface disinfection

Details of the supplier of the safety data sheet

Supplier

Everlygreen INC.
455 German School Rd, Paris,
Ontario Canada N3L 3E1
Tel: +1 519-729-4882
kelly@everlygreen.ca
Emergency tel: 911

Manufacturer

O2-Tabs Desinfektion GmbH
Silberhofstr. 88
D-09599 Freiberg
Germany

Information department:

Tel.: +49 (0)3731 4193820
Fax: +49 (0)3731 4193821
E-Mail: info@medeagroup.de
contact person: Dr. Niels Ole Vesterager

Emergency telephone number: Emergency tel: 911

2 Hazard identification

Classification of the substance or mixture

Serious Eye Damage - Category 1 H318 Causes serious eye damage.

Label elements

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS05

Signal word Danger

Hazard-determining components of labeling:

sodium percarbonate
Poly(oxy-1,2-ethanediyl), .alpha.-(2-propylheptyl)-.omega.-hydroxy-

Hazard statements

Causes serious eye damage.

Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Wear protective gloves/protective clothing/eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a poison center/doctor.

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Classification system:

NFPA ratings (scale 0 - 4)

Health = 3

Fire = 0

Reactivity = 0

HMS-ratings (scale 0 - 4)

Health = *3

Fire = 0

Reactivity = 0

3 Composition/Information on ingredients

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous components:

15630-89-4	sodium percarbonate	25-50% w/w *
77-92-9	citric acid	10-25% w/w *
160875-66-1	Poly(oxy-1,2-ethanediyl), .alpha.-(2-propylheptyl)-.omega.-hydroxy-	≥1-<2.5% w/w *
151-21-3	sodium dodecyl sulphate	<2.5% w/w

* Actual concentration ranges are withheld as a trade secret.

Specific concentration limits

sodium dodecyl sulphate CAS 151-21-3: Eye Dam. 1: ≥ 20 %; Eye Irrit. 2: ≥ 10 - < 20 %.

sodium percarbonate CAS 15630-89-4: Eye Dam. 1: > 25 %; Eye Irrit. 2: ≥ 7.5 - < 25 %

4 First-aid measures

Description of first aid measures

General information: No special measures required.

After inhalation: Supply fresh air.

After skin contact: Immediately rinse with water.

After eye contact:

Rinse opened eye for several minutes under running water.

Call a doctor immediately.

After swallowing:

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

Information for doctor:

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents:

CO₂, extinguishing powder or water spray. Fight larger fires with water spray.

Use fire fighting measures that suit the environment.

Special hazards arising from the substance or mixture No further relevant information available.

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Advice for firefighters**Protective equipment:** In the danger area always wear a self-contained breathing apparatus.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with the eyes and skin.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.**Methods and material for containment and cleaning up:**

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

Wash residues with water.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Handling:**Precautions for safe handling** Avoid contact with the eyes and skin.**Information about protection against explosions and fires:** Protect from heat.**Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.

Store in a cool and dry place.

Information about storage in one common storage facility: Not required.**Further information about storage conditions:** Protect from heat and direct sunlight.**Specific end use(s)** No further relevant information available.

8 Exposure controls/ Personal protection

Additional information about design of technical systems: No further data; see item 7.**Control parameters****Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the creation were used as basis.**Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Breathing equipment: In case of dust formation use respiratory protective device.**Protection of hands:** Protective gloves

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Material of gloves

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.2 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Tightly sealed goggles

Body protection: Protective work clothing

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Tablets
Color:	White
Odor:	Odorless
Odor threshold:	Not determined.

pH-value: Not applicable.

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

Flash point: Not applicable.

Flammability (solid, gaseous): Not determined.

Ignition temperature: Not determined.

Decomposition temperature: Not determined.

Auto igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Vapor pressure: Not applicable.

Density:	Not determined.
Relative density	Not determined.
Vapor density	Not applicable.
Evaporation rate	Not applicable.

Solubility in / Miscibility with

Water: Soluble.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

Dynamic:	Not applicable.
Kinematic:	Not applicable.

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Solvent content:

Solids content: 100.0 %

Other information No further relevant information available.

10 Stability and reactivity

Reactivity No further relevant information available.

Chemical stability Stable if stored according to specifications

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions No dangerous reactions known.

Conditions to avoid Protect from humidity and water.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimate)

Oral	LD50	>2,285-2,392 mg/kg
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15630-89-4 sodium percarbonate

Oral	LD50	1,034 mg/kg (rat)
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Dermal	LD50	>2,000 mg/kg (rat)
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77-92-9 citric acid

Oral	LD50	5,400 mg/kg (mouse)
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Dermal	LD50	>2,000 mg/kg (rat)
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151-21-3 sodium dodecyl sulphate

Oral	LD50	>500-2,000 mg/kg (rat) (OECD 401)
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Dermal	LD50	>2,000 mg/kg (rabbit)
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Primary irritant effect:

on the skin: Irritating effect.

on the eye: Strong irritant with the danger of severe eye injury.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

Carcinogenic categories

IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

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NTP (National Toxicology Program)

None of the ingredients is listed.

12 Ecological information

Toxicity

Aquatic toxicity:

15630-89-4 sodium percarbonate

LC50/96h 70.7 mg/l (Pimephales promelas)

EC50/48h 4.9 mg/l (Daphnia pulex)

77-92-9 citric acid

LC50/48h (static) 440 mg/l (Leuciscus idus)

LC50/24h (static) 1,535 mg/l (Daphnia magna)

151-21-3 sodium dodecyl sulphate

LC50/96h >10-100 mg/l (Pimephales promelas)

EC50/48h >1-10 mg/l (Ceriodaphnia dubia)

Persistence and degradability The contained surfactants are easily biodegradable

Behavior in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

UN-Number

DOT/TDG, ADR, IMDG, IATA not regulated

UN proper shipping name

DOT/TDG, ADR, IMDG, IATA not regulated

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Transport hazard class(es)	
DOT, ADR, ADN, IMDG, IATA Class	not regulated
Packing group	
DOT/TDG, ADR, IMDG, IATA	not regulated
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
UN "Model Regulation":	not regulated

15 Regulatory information

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

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

10543-57-4	Tetraacetylendiamin (TAED)	ACTIVE
15630-89-4	sodium percarbonate	ACTIVE
13007-85-7	Sodium D-glycero-D-gulo-heptonate	ACTIVE
160875-66-1	Poly(oxy-1,2-ethanediyl), .alpha.-(2-propylheptyl)-.omega.-hydroxy-	ACTIVE

Canadian substance listings:

Canadian Domestic Substances List (DSL)

10543-57-4	Tetraacetylendiamin (TAED)
15630-89-4	sodium percarbonate
77-92-9	citric acid
13007-85-7	Sodium D-glycero-D-gulo-heptonate
151-21-3	sodium dodecyl sulphate

Canadian Ingredient Disclosure list (limit 0.1%)

None of the ingredients is listed.

Canadian Ingredient Disclosure list (limit 1%)

77-92-9	citric acid
151-21-3	sodium dodecyl sulphate

GHS label elements GHS label elements

National regulations:

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

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Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS: Department R&D**Contact:** Dr. Niels Ole Vesterager**Date of the latest revision of the safety data sheet** 04/02/2021 / 2**Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

*** Data compared to the previous version altered.**