

CEFLA S.C.

Via Selice Provinciale 23/A,
40026 Imola BO
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www.cefladentale.it

SAFETY DATA SHEET

Regulation (EC) n. 1907/2006 – Regulation (EC) 1272/2008 - Regulation (EU) n. 453/2010

Product: **STER 1 plus**
DISINFECTANT FOR DENTAL UNIT SURFACES

rev.4

Date: 04.10.2018

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1. PRODUCT IDENTIFIER
STER 1 plus
n-Propanol, Ethanol, Quaternary Ammoniums, water
- 1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST
For disinfecting and cleaning the surfaces of Dental Unit and Chair.
Do not use for skin disinfection or for home cleansing
- 1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET
CEFLA S.C. Via Selice Provinciale 23/A
40026 Imola BO (Italy)
Tel. +39 0542 653111 – Fax +39 0542 653444
ceflaimola@cefla.it

Importer/ Distributer
Company name: Ivoclar Vivadent Ltd
Place: PO Box 303011, North Harbour, Auckland, 0751
Telephone: +64 9 914 9999 Telefax: +64 9 914 9990
- 1.4. EMERGENCY TELEPHONE NUMBER
0800 764 766 Poison Hotline (24 hours / 7 days) NZ: National Poison Centre (New Zealand)

SECTION 2. HAZARDS IDENTIFICATION

- 2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE
FLAMMABLE LIQUID 3 – EYE DAMAGE. 1
See also Section 16

2.2. LABEL ELEMENTS



Contains propan-1-ol
Danger
H226 – Flammable liquid and vapour
H318 – Causes serious eye damage.
H336 - May cause drowsiness or dizziness.
P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P233 - Keep container tightly closed.
P261 - Avoid breathing mist/vapours/ spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

2.3. OTHER HAZARDS

Not applicable

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1. SUBSTANCES
Not applicable
- 3.2. MIXTURES
n-Propanol, Ethanol, Quaternary Ammoniums mixture, water

Substances presenting a health or environmental hazard within the meaning of Regulation (CE) 1272/2008	Concentration % by mass	Classification under Regulation (EC) 1272/2008
n – Propanol synonyms: propan-1-ol propylic alcohol No substance: 603.003.00-0 No. CE 200-746-9 (EINECS) No CAS 71-23-8	25	Flam. Liq. 2 - H225 Highly flammable liquid and vapour. Eye Dam. 1 - H318 Causes serious eye damage STOT SE 3 - H336 May cause drowsiness or dizziness GHS02 GHS04 GHS07 Dgr

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Substances presenting a health or environmental hazard within the meaning of Regulation (CE) 1272/2008	Concentration % by mass	Classification under Regulation (EC) 1272/2008
Ethanol (denaturated) synonyms: ethyl alcohol No. substance: 603.002.00-5 No. CE 200-578-6 (EINECS) No. CAS 64-17-5	15	Flam. Liq. 2 - H225 Highly flammable liquid and vapour. Eye Dam 2 – H319 Causes serious eye irritation. GHS02 Dgr
Quaternary Ammoniums mixture: 16% benzyl-C12-16-alkyldimethyl, chlorides (n. CAS 68424-85-1) 16% Didecyldimethylammonium chloride (n. CAS 7173-51-5) 16% C12-14- alkyl[(ethylphenyl)methyl]dimethyl, chlorides (n. CAS 85409-23-0) 7% Propan-2-ol (n. CAS 67-63-0)	≤ 1,5	Flammable Liquid; Cat 3 H226 Flammable liquid and vapour.. Acute toxicity; Cat 4 ; Oral H302 Harmful if swallowed.. Skin irrit.; Cat 2 H315 Causes skin irritation Eye Dam; Cat 1 H318 Causes serious eye damage. Aquatic acute; Cat 1 H400 Very toxic to aquatic life. Aquatic chronic; Cat 1 H410 Very toxic to aquatic life with long lasting effects.

SECTION 4: FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES	<p>Not expected to give rise to an acute hazard under normal conditions of use.</p> <p>Inhalation: in case of massive inhalation, move casualty to fresh air, keep him quiet and warm. Verify the occurrence of behavioural troubles or narcosis, and seek medical advice. Operate artificial breathing if irregular or interrupted breathing occurs.</p> <p>Skin: Wash affected skin with soap and water. If irritation occurs, seek medical advice. Remove contaminated clothing.</p> <p>Eye contact: Immediately flush eye with plenty of water for 15 minutes lifting lower and upper eyelids occasionally and immediately seek medical advice.</p> <p>Ingestion: Wash mouth with water, and IMMEDIATELY SEEK MEDICAL ADVICE showing this Safety Data Sheet If vomiting occurs, place casualty in recovery position keeping mouth downward to ensure that airway remain free and to prevent aspiration into the lungs. Never administer liquids to persons showing symptoms of drowsiness or reduced consciousness. Do not administer animal coal or milk IMMEDIATELY SEEK MEDICAL ADVICE showing the label or this Safety Data Sheet</p> <p>Personal protective equipment for first aid responders in vapours saturated rooms use breathing apparatus, use protective devices for eyes and hands protection</p>
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**4.2. MOST IMPORTANT
SYMPTOMS AND EFFECTS,
BOTH ACUTE AND DELAYED**

Inhalation:

acute: irritation of the eyes, nose and throat, drowsiness, narcosis, headache, behaviour alterations, respiratory failure, CNS depression, loss of conscience. Persons with pre-existing impaired respiratory function may be more susceptible to the effects of this mixture
delayed: not available data

Skin:

acute: irritation,
delayed: not available data

Eyes contact:

acute: severe irritation, burn damages
delayed: not available data

Ingestion:

acute: narcosis, dyspnoea; may cause vomiting, drunkenness-similar symptoms;
delayed: not available data

**4.3. INDICATION OF ANY
IMMEDIATE MEDICAL
ATTENTION AND SPECIAL
TREATMENT NEEDED**

Do not induce vomiting; do not administer anything and immediately seek medical advice in case of acute symptoms (sect. 4.2)

Treatment: in case of ingestion, gastric lavage with addition of active carbons.

Symptoms treatments.

Clinical testing and medical monitoring for delayed effects:

antidotes: not available data

contraindications.: not available data

Special means to provide specific and immediate treatment at the workplace: eye bath

SECTION 5: FIREFIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

Suitable extinguishing media:

CO₂ extinguisher, Chemical Powder, alcohol resistant Foam.

Unsuitable extinguishing media:

jet of water

Inappropriate extinguishing media for a particular situation:

jet of water

**5.2. SPECIAL HAZARDS ARISING FROM
THE SUBSTANCE OR MIXTURE**

Vapours heavier than air

Possible formation of explosive mixtures in contact with air

Hazardous combustion products

may produce toxic fumes of carbon monoxide (CO) if burning

Combustion products:

smokes, CO, CO₂, other unidentified organic compounds

Generally, combustion gases of organic materials have to be considered as harmful for inhalation

5.3. ADVICE FOR FIREFIGHTERS

Breathing apparatus, protective devices for eyes and hands protection, fireproof clothes
If possible, break any flow of flammable material

Remove containers from ignition or heat sources: in case, keep containers cool with water spray from a safety distance.

Take preventive measures against electrostatic discharges

SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1. PERSONAL PRECAUTIONS,
PROTECTIVE EQUIPMENT AND
EMERGENCY PROCEDURES**

For non-emergency personnel:

Evacuate from the hazard area any non-emergency person

For emergency responders:

Wear personal Protective equipment: protective glasses and gloves

Eliminate any heat or flame sources. Provision of sufficient ventilation

Appropriate materials for personal protective clothing:

impermeable and alcohol resistant (rubber, nitrile rubber, etc)

6.2. ENVIRONMENTAL PRECAUTIONS

Avoid to contaminate drains or watercourses.

Rinse with water after collecting the product

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6.3. METHODS AND MATERIAL
FOR CONTAINMENT
AND CLEANING UP

How to contain a spill:

Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth). Ventilate contaminated area

cleaning techniques

wash with soap and water

Vacuuming techniques

if necessary, use vacuum equipments adequate to flammable liquid

6.4. REFERENCE TO OTHER SECTIONS See Sections 8 e 13

SECTION 7: HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE
HANDLING

Recommendations to allow safe handling:

Protect eyes and skin from any contact.

Avoid vapours / aerosol formation.

Do not eat, drink or smoke when using the product

Recommendations to prevent fire

Use far from any ignition source. Do not nebulise or spray.

Recommendations to prevent handling of incompatible substances or mixtures

Avoid contact with strong acids or strong oxidising substances

Recommendations to reduce the release of the substance or mixture to the environment: use as instructed on the label

Other information: see Section 8

7.2. CONDITIONS FOR SAFE STORAGE,
INCLUDING ANY INCOMPATIBILITIES

How to manage risks associated with:

explosive atmospheres: Keep container well closed, in a well ventilated place. Keep away from heat or ignition source. Do not expose containers to direct sunlight.

corrosive conditions: do not store with strong oxidising substances

flammability hazards: Keep container well closed, in a cool, well ventilated place, away from heat or ignition sources. Do not expose containers to direct sunlight. Take preventive measures against electrostatic discharges
Do not smoke and do not use free flames

incompatible substances or mixtures: strong acids, strong oxidising substances

evaporative conditions: keep container well closed

potential ignition sources (including electrical equipment)

Flames, sparks, static discharges

how to control the effects of:

weather conditions: not expected dangerous atmospheric conditions

ambient pressure: not expected dangerous ambient pressure conditions

temperature: cool containers if temperature exceeds 50 °C

sunlight: Packaging is opaque to the light.

Avoid direct sunlight exposure to prevent overheating

humidity: not expected dangerous effects

for the product when properly stored

vibration: not expected dangerous effects

for the product when properly stored

How to maintain the integrity of the substance or mixture by the use of:

stabilisers: not necessary

antioxidants: not necessary

Other advice:

ventilation requirements: keep in a well ventilated place

specific designs for storage

rooms or vessels: not contemplated

quantity limits under storage conditions:

observe quantitative limits for flammable materials

packaging compatibilities: not contemplated any different packaging than original ones

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7.3. SPECIFIC END USE(S)

For professional use only,
for cleaning and disinfecting the surfaces of medical devices for dentistry
USE: Pour a small amount of the product onto a disposable wipe and apply to surfaces to be disinfected. Dry with another disposable wipe.
Do not use on alcohol sensitive materials

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. CONTROL PARAMETERS**

(ACGIH -USA)

mg/m3

ppm

n - Propanol:

TLV-TWA 8h

- - -

100

Ethanol:

TLV-TWA

1880

1000

8.2. EXPOSURE CONTROLS

Appropriate engineering controls

a proper use of this product do not prefigure any need of exposure controls

Individual protection measures, such as personal protective equipment

Eye / face protection: wear protective glasses

Skin protection: wear ordinary work clothes

Hand protection: wear alcohol resistant gloves (rubber, nitrile rubber, etc

Other:

Normal hygienic precautions: do not eat, drink or smoke when utilising the product. Avoid contact, avoid vapours inhalation

Use in a well ventilated place

Environmental exposure controls: not needed in the proper use

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

a) Appearance

Liquid, not coloured

b) Odour

Alcoholic

c) Odour threshold

Not defined

d) pH

7,0±1,0 pH

e) Melting point/freezing point

n-propanol:

< - 60 °C

ethanol:

- 114 °C

f) Initial boiling point and boiling range

n-propanol:

97 °C

ethanol:

78 °C

g) Flash point

mixture

35 °C

h) Evaporation rate

Not available

i) Flammability (solid, gas)

Not applicable

j) Upper/lower flammability or explosive limits

upper:

n-propanol:

13,5 Vol %

ethanol

13,5 Vol %

lower:

n-propanol:

2,1 Vol %

ethanol

2,5 Vol %

k) Vapour pressure

n-propanol:

20 hPa at 20 °C

ethanol:

57 hPa at 20°C

l) Vapour density

n-propanol:

0,803 g/m3 at 20°C

ethanol:

1,6 g/m3 at 20°C

m)Relative density

Mixture

0,925 kg/L at 25°C

n) solubility (ies)

Soluble

o) Partition coefficient: n-octanol/water

n-propanol:

0,25 (Log Poa)

ethanol:

0,32 (Log Poa)

p) Auto-ignition temperature

n-propanol:

410°C

ethanol:

363°C

q) Decomposition temperature

Not available

r) Viscosity

n-propanol:

2,3 mPa*s

ethanol:

1,2 mPa*s

s) Explosive properties

Not applicable

t) Oxidising properties

Not oxidizing

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9.2. OTHER INFORMATION	miscibility	Not available
	fat solubility	
	conductivity	
	gas group	
	redox potential	
	radical formation potential	
	photocatalytic properties	
	VOC (Volatile Organic Compounds)	40 %

SECTION 10: STABILITY AND REACTIVITY

10.1. REACTIVITY	Mixture is packaged in an adequate container resistant to contact Dangerous reactions due to mixture reactivity are not expected
10.2. CHEMICAL STABILITY	Stable in normal conditions
10.3. POSSIBILITY OF HAZARDOUS REACTIONS	Dangerous reactions are not expected in normal use The mixture can burn or give flammable vapours in contact with: - oxidizing substances - alkaline or alkaline-terrous metals - alkaline oxides or peroxides - organic peroxides and hydroperoxides - strong mineral oxidising acids - nitrides - oxidising or reducing agents
10.4. CONDITIONS TO AVOID	Temperatures exceeding 40 °C - Contact with the substances indicated in 10.3
10.5. INCOMPATIBLE MATERIALS	- oxidizing substances - alkaline or alkaline-terrous metals - alkaline oxides or peroxides - organic peroxides and hydroperoxides - strong mineral oxidising acids - nitrides - oxidising or reducing agents - anionic surfactants In case of contact, immediately go away and take appropriate fire-fighting or accidental release measures (see Sections 5 and 6)
10.6. HAZARDOUS DECOMPOSITION PRODUCTS	Non expected dangerous decomposition products, except in case of combustion (see Section 5)

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological data have not been determined specifically for this product.
Information given is based on the knowledge of the components and the toxicology of similar products. The abbreviation QUATs means the Quaternary Ammonium mixture

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

a) Acute toxicity	Acute Toxicity ORAL DL50 (rat):	
	n-propanol	1870 mg/kg
	ethanol	6200 mg/kg
	QUATs (mixture)	778 mg/kg
	Didecyldimethylammonium chloride (N. CAS: 7173-51-5):	238 mg/kg
	benzyl-C12-16-alkyldimethyl, chlorides (N. CAS: 68424-85-1)	344 mg/kg
	Acute Toxicity DERMAL DL 50 (rabbit)	
	n-propanol	4050 mg/kg
	ethanol	not available
	QUATs (mixture)	not available
	Didecyldimethylammonium chloride (N. CAS: 7173-51-5):	3342 mg/kg
	benzyl-C12-16-alkyldimethyl, chlorides (N. CAS: 68424-85-1)	3340 mg/kg
	Acute Toxicity - INHALATION CL 50 (rat)	
	n-propanol	33,8 mg/L (4 h)

	ethanol	> 50 mg/L (4 h)
	QUATs (mixture)	not available
b) Irritation	Irritation - SKIN n-propanol ethanol QUATs (mixture)	not irritating (rabbit) not irritating (4 h – OECD 404) mildly irritating (4 h rabbit)
	Irritation EYES n-Propanol Ethanol QUATS (mixture)	Strongly irritant (rabbit) mild irritation (4 h – OECD 404) corrosive (rabbit)
c) Corrosivity	Cause severe damages to eyes	
d) sensitisation	n-Propanol: Ethanol: QUATS	not sensitising (source IUCLID) not sensitising (OECD 429, OECD 406) not sensitising (Buheler test – Guinea pig–US-EPA test)
e) repeated dose toxicity	n-Propanol: Ethanol: QUATS	not available after repeated oral administrations, alterations of liver tissue have been reported (rat) not available
f)) carcinogenicity	The contained substances are not classified as carcinogenic according to European Regulation (CE) 1272/2008	
g) Mutagenicity	The contained substances are not classified as mutagenic according to European Regulation (CE) 1272/2008 n-Propanol: not reported indications about in vitro genotoxicity (negative Ames-test) Ethanol: not reported mutagenic activity on <i>Drosophyla</i> and <i>Salmonella typhimurium</i> . Chromosomal alterations have been observed in rats and mouses Quats (mixture): negative	
h) toxicity for reproduction	The contained substances are not classified as toxic for reproduction according to European Regulation (CE) 1272/2008 n-Propanol: not available Ethanol after repeated expositions to Ethanol, negative effects on male reproductive apparatus of laboratory animals have been shown. Human: the abuse of alcoholic beverages in gravid state cause the foetal alcoholic syndrome, that provoke loss of weight and physical and mental malformations at birth	
• information on likely routes of exposure	Inhalation: can provoke CNS depression, migraine, dizziness, nausea, narcosis, loss of conscience, irritation of respiratory tract Ingestion: not probable in intended use. Can provoke nausea, vomiting, migraine, dizziness, drunkenness, narcosys. Systemic effect: possible euphoria. Ingestion of 50 ml of pure n-Propanol can be fatal\ Contact: Strongly irritant to eyes Possible irritant to skin after frequent or prolonged contact	
• Symptoms related to the physical, chemical and toxicological characteristics	See previous point	
• Delayed and immediate effects as well as chronic effects from short and long-term exposure	See previous point	
• Interactive effects	Not expected interactive effects others than indicated in Section 10. 5 (incompatible materials)	
• Absence of specific data	Toxicological data have not been determined specifically for this product. Information given is based on the knowledge of the components and the toxicology of similar products.	
• Mixture versus substance information	Not expected interactions between substances with each other in the body resulting in different rates of absorption, metabolism and excretion	

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- Other information Not applicable

SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicological data have not been determined specifically for this product. Information given is based on the knowledge of the substances contained in the mixture and the eco-toxicology data of similar products. The abbreviation QUATs means the Quaternary Ammonium mixture

12.1. TOXICITY

Acute Aquatic Toxicity on fish - CL 50

n-Propanol	4100 – 5000	mg/l	(96h - <i>Pimephales promelas</i>)
	3200	mg/l	(48 h - <i>Salmo gairdneri</i>)
Ethanol	1300	mg/l	(96 h - <i>Salmo gairdneri</i>)
QUATs	0,71	mg/l	(96 h - <i>Danio rerio</i>)

Acute Aquatic Toxicity on crustaceans - CE 50

n-Propanol	3600 – 8100	mg/l	(48 h - <i>Dafnia magna</i>)
Ethanol	1300	mg/l	(48 h - <i>Dafnia magna</i>)
	>10000	mg/L	(48 h - <i>Artemia salina</i>)
QUATs	0,71	mg/l	(96 h - <i>Danio rerio</i>)

Acute Aquatic toxicity on algae and other aquatic plants - CE0

n-Propanol	3100	mg/l	(8 days - <i>Scenedesmus quadricauda</i>)
Ethanol	275	mg/L	(72 h <i>Chlorella vulgaris</i>)
QUATs	not available		

Didecyldimethylammonium chloride

(N. CAS: 7173-51-5): 0,026 mg/L (96h – *Pseudokirchneriella subcapitata*)

benzyl-C12-16-alkyldimethyl, chlorides

(N. CAS: 68424-85-1) 0,049 mg/L (72h – *Pseudokirchneriella subcapitata*)

Acute Toxicity on soil micro and macroorganisms - CE0

n-Propanol	2700	mg/l	(16 h - <i>Pseudomonas putida</i>)
Ethanol	6500	mg/l	(<i>Pseudomonas putida</i>)
QUATs	not available		

Inhibitory effects on microorganisms in sewage treatment plants - CE 50

n-Propanol	> 1000	mg/l	(Activated sludge –fermentation test tube)
Ethanol	not available		
QUATs	10 – 100	mg/l	(metodo OECD TG 209)

12.2. PERSISTENCE AND DEGRADABILITY

n-Propanol Degradability: > 65 (5 days) – good degradability

Ethanol: Degradability: easily degradable

QUATs not available

Didecyldimethylammonium chloride

(N. CAS: 7173-51-5): Quickly bio-degradable
(modified Sturm Test - 28 d - Method: OECD TG 301 B)

Benzyl-C12-16-alkyldimethyl, chlorides

(N. CAS: 68424-85-1) Quickly bio-degradable
(28 d - Method: OECD TG 301 B)

12.3. BIOACCUMULATIVE POTENTIAL

n-Propanol: not available

Ethanol: low

QUATs not available

12.4. MOBILITY IN SOIL

Not available

12.5. RESULTS OF PBT AND VPVB ASSESSMENT

Ethanol: normally bio-degradable, neither P nor vP
LogKow < 4,5, then neither B nor vB

QUATs: does not contain any substance which is considered as persistent, bio-accumulative and toxic (PBT).
Does not contain any substance which is considered as very persistent and very bio-accumulative (vPvB)

12.6. OTHER ADVERSE EFFECTS

- photochemical ozone creation potential

Large amounts of alcohol released into the environment can increase the air content of Volatile Organic Compounds (VOC) which may give rise to the creation of atmospheric pollutants, like ozone and nitrogen oxides, by means of radicalic photochemical reactions

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- • ozone depletion potential Components are not considered as dangerous for atmospheric ozone
- • endocrine disrupting potential Not available
- • global warming potential Not available

SECTION 13: DISPOSAL CONSIDERATIONS**13.1. WASTE TREATMENT METHODS**

Mixture:

dispose according to European and national waste regulations

By incineration, the mixture decompose prevailingly into CO₂ e Water

Packaging: Polyethylene bottle.

Prefer re-use destination, instead of incineration or disposal into dump

Avoid any sewage disposal

SECTION 14: TRANSPORT INFORMATION**14.1 UN NUMBER**

UN 1987

14.2 UN PROPER SHIPPING NAME

ALCOHOLS N.O.S. (N-PROPANOL / ETHANOL)

14.3. TRANSPORT HAZARD CLASSE(S)

Class 3

Subsidiary risk none

Hazard labels 3 (Flammable liquid)

14.4. PACKING GROUP

Pkg Group III

14.5. ENVIRONMENTAL HAZARDS

IMDG – not available

ADR – not classified as dangerous for the environment (ADR 2015)

RID – not classified as dangerous for the environment (ADR 2015)

ADN –not classified as dangerous for the environment (ADR 2015)

ICAO/ IATA – not available

14.6. SPECIAL PRECAUTIONS FOR USER

Transport into the original packaging

Do not expose to temperature exceeding 50 °C

Recommended not to expose to temperature exceeding 40°C when stored

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**

Classified as Hazardous according to the criteria of the National Occupational Health and Safety Commission (NOHSC) approved criteria for the classifying hazardous substances [NOHSC: 1008] 3rd edition.

Standard for the Uniform Scheduling of Medicines and Poisons. Carcinogen classification under WHS Regulation 2011, Schedule 10.

Notification status in accordance with section 3 and current national legislation.

HSNO Approval: HSR001215, HSR001144, HSR005673, HSR002708, HSR001180

EPA NZ Classes of hazardous properties:

Classification 3.1B Flammable Liquids: high hazard

Classification 6.1D (All) Acutely toxic

Classification 6.1E (D) Acutely toxic

Classification 6.4A Irritating to the eye

Classification 9.3C Harmful to terrestrial vertebrates

Classification 3.1B Flammable liquid - very high hazard

Classification 6.4A Substances that are irritating to the eye

Classification 3.1C Flammable Liquids: medium hazard

Classification 6.1C (All) Acutely toxic

Classification 6.1C (O) Acutely toxic

Classification 6.5B Contact sensitizers

Classification 8.2B Corrosive to dermal tissue

Classification 8.3A Corrosive to ocular tissue

Classification 9.1A (All) Very ecotoxic in the aquatic environment

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SAFETY DATA SHEET

Regulation (EC) n. 1907/2006 – Regulation (EC) 1272/2008 - Regulation (EU) n. 453/2010

Product: **STER 1 plus**
DISINFECTANT FOR DENTAL UNIT SURFACES

rev.4

Date: 04.10.2018

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Classification 9.1A (F) Very ecotoxic in the aquatic environment
 Classification 9.1A (C) Very ecotoxic in the aquatic environment
 Classification 9.1A (A) Very ecotoxic in the aquatic environment
 Classification 9.3B Ecotoxic to terrestrial vertebrates
 Classification 3.1C Flammable Liquids: medium hazard
 Classification 6.1C (All) Acutely toxic
 Classification 6.1C (O) Acutely toxic
 Classification 6.5B Contact sensitisers
 Classification 8.2B Corrosive to dermal tissue
 Classification 8.3A Corrosive to ocular tissue
 Classification 9.1A (All) Very ecotoxic in the aquatic environment
 Classification 9.1A (F) Very ecotoxic in the aquatic environment
 Classification 9.1A (C) Very ecotoxic in the aquatic environment
 Classification 9.1A (A) Very ecotoxic in the aquatic environment
 Classification 9.3B Ecotoxic to terrestrial vertebrates
 Classification 3.1B Flammable liquid - very high hazard
 Classification 6.1E (All) Substances that are acutely toxic – May be harmful, aspiration hazard
 Classification 6.1E (O)
 Classification 6.1E (I)
 Classification 6.3B Substances that are mildly irritating to the skin
 Classification 6.4A Substances that are irritating to the eye

15.2. CHEMICAL SAFETY
ASSESSMENT

Not applicable

SECTION 16. OTHER INFORMATION

- | | |
|---|---|
| a) Information on revision of the safety data sheet | Revision 4: updating sections n. 1, 9, 15. |
| b) Key or legend to abbreviations and acronyms | - - - |
| c) Key literature references and sources for data | Safety Data Sheets of Substances contained into the mixture European Directive and Regulations (see 15.1) |

CEFLA S.C.

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d) Method of evaluating information referred to in Article 9 of Regulation (EC) No 1272/2008 used for the purpose of classification

Regulation (EC) 1272/2008 – Art 9, comma 1:
Classification or differentiation criteria according to Annex I, parts 2 to 5

e) list of relevant hazard statements and/or precautionary statements



Contains propan-1-ol

Danger

H226 – Flammable liquid and vapour

H318 – Causes serious eye damage.

H336 - May cause drowsiness or dizziness.

P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P233 - Keep container tightly closed.

P261 - Avoid breathing mist/vapours/ spray.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

Other precautionary statements

P240 - Ground/bond container and receiving equipment

P241 - Use explosion-proof electrical/ventilating/lighting/.../equipment

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P271 - Use only outdoors or in a well-ventilated area.

P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P310 - Immediately call a POISON CENTER or doctor/physician

P370+P378 - In case of fire: Use CO₂, powder, for extinction

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents/container conforming to local regulations

f) Training appropriate for workers

Apply the instruction for use indicated on the label and this Safety Data Sheet

NOTE

The information contained in this Safety Data Sheet is to the best of our knowledge the most up-to-date available, and is passed on to the user in good faith. It is intended to describe the product for the purposes of health, safety and environmental requirements only. In no way, however, does it exempt the user from strictly adhering to the directions as given for storing, handling and utilizing the product, and for doing so in accordance with normal hygienic standards and practice and local regulations. The producer therefore declines all responsibility for any eventual improper or incorrect use