

SAFETY DATA SHEET

RV Sterilet Super

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

1.1. Product identifier

Trade name

RV Sterilet Super

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

Relevant identified uses of the substance or mixture

PC8 Disinfection

Product code (A.I.S.E.)

Code

AISE-P314 / Surface disinfactant. Manual process.

AISE-P315 / Surface disinfactant. Spray and rinse manual process.

Use descriptors (REACH)

Sectors of use	Description
LCS "PW"	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Product category	Description
PC 8	Biocidal Products (e.g. Disinfectants, pest control)
Environmental release category	Description
ERC 8a	Wide dispersive indoor use of processing aids in open systems

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

Rekstravörur

Réttarhálsi 2

IS-110 Reykjavík

Iceland

Tel.: +354 520 6666 Fax: +354 520 6665

www.rv.is

E-mail

sala@rv.is

Revision

02/08/2023

SDS Version

5.0

Date of previous version

22/12/2022 (4.0)

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".



SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.2. Label elements

Hazard pictogram(s)

Not applicable.

Signal word

Not applicable.

Hazard statement(s)

Not applicable.

Precautionary statement(s)

General

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Prevention

-

Response

-

Storage

-

Disposal

-

Hazardous substances

None known.

Additional labelling

EUH210, Safety data sheet available on request.

Active substance(s):

didecyldimethylammonium chloride (0.975 g/100g)

propan-2-ol (0.585 g/100g)

2.3. Other hazards

Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

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
Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega- hydroxy-, branched	CAS No.: 69011-36-5 EC No.: 500-241-6 UK-REACH: Index No.:	1-3%	Acute Tox. 4, H302 (ATE: 501.00 mg/kg) Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 5.05 %)	[19]
didecyldimethylammonium chloride	CAS No.: 7173-51-5 EC No.: 230-525-2 UK-REACH: Index No.: 612-131-00-6	<1%	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 2, H411	[4]

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

RV Sterilet Super Page 2 of 13



Other information

[4] Substance is listed in Annex I of the Prior Informed Consent Regulation (PIC, Regulation (EU) 649/2012).

[9] Identified by EU as one of 26 specific fragrance ingredients, known to cause allergic contact dermatitis (Regulation (EC) No 1223/2009 on cosmetic products)

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

Labelling of contents according to Detergents Regulation (EC) No 648/2004

< 5%

- · Cationic surfactants
- · Non-ionic surfactants
- · Perfumes (CITRAL)

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

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

▼ Eye contact

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

▼ Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns

Not applicable.

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

None known.

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

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Not applicable.

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

Fire fighters should wear appropriate personal protective equipment.

SECTION 6: Accidental release measures



6.1. ▼ Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

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

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 in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material

Keep only in original packaging.

Storage temperature

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

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

propan-2-ol

Long term exposure limit (8 hours) (ppm): 400

Long term exposure limit (8 hours) (mg/m³): 999

Short term exposure limit (15 minutes) (ppm): 500

Short term exposure limit (15 minutes) (mg/m³): 1250

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

Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	93.8 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	263 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	6.53 mg/m³
Long term – Systemic effects - Workers	Inhalation	37 mg/m³
Long term – Systemic effects - General population	Oral	2.5 mg/kg bw/day

RV Sterilet Super Page 4 of 13



propan-2-ol		
Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	319 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	888 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	888 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	89 mg/m3
Long term – Systemic effects - General population	Inhalation	89 mg/m³
Long term – Systemic effects - Workers	Inhalation	500 mg/m3
Long term – Systemic effects - Workers	Inhalation	500 mg/m ³
Short term – Systemic effects - General population	Inhalation	178 mg/m³
Short term – Systemic effects - Workers	Inhalation	1000 mg/m ³
Long term – Systemic effects - General population	Oral	26 mg/kg bw/day
Long term – Systemic effects - General population	Oral	26 mg/kg bw/day
Short term – Systemic effects - General population	Oral	51 mg/kg bw/day
PNEC		
didecyldimethylammonium chloride		
Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		1.1 μg/L
Functional and the sast		C1 OC //

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		1.1 μg/L
Freshwater sediment		61.86 mg/kg
Intermittent release (freshwater)		210 ng/L
Intermittent release (marine water)		21 ng/L
Marine water		110 ng/L
Marine water sediment		6.186 mg/kg
Sewage treatment plant		140 μg/L
Soil		1.4 mg/kg

Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched

Route of exposure:	Duration of Exposure:	PNEC:
Activated Sludge Plant	Single	>10.000 mg/l
Freshwater		4.36 μg/L
Freshwater sediment		119.4 μg/kg
Intermittent release (freshwater)		5.44 μg/L
Intermittent release (marine water)		544 ng/L
Marine water		436 ng/L
Marine water sediment		11.94 μg/kg
Sewage treatment plant		4.35 mg/L
Soil		21.3 μg/kg

propan-2-ol

propari-z-or		
Route of exposure:	Duration of Exposure:	PNEC:
Freshwater	Single	140,9 mg/l
Freshwater sediment	Single	552 mg/kg
Marine water	Single	140,9 mg/l
Sewage treatment plant	Single	251 mg/l

RV Sterilet Super Page 5 of 13



Soil Single 28 mg/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.

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. Always wash hands, forearms and face.

Measures to avoid environmental exposure

No specific requirements.

8.3. Individual protection measures, such as personal protective equipment

Generally

Use only UKCA marked protective equipment.

Respiratory Equipment

Туре	Class	Colour	Standards
No special when used as intended.			
skin protection			

Skin protection

Recommended	Type/Category	Standards
No special when used as intended.	-	-

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	0,38	> 240	EN374-2, EN374-3, EN388	



Work situation	Туре	Standards	
	No special when used as intended.	-	
When there is risk of splash- / intermittent exposure	Safety glasses with side shields.	EN166	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form

Liquid

Colour

RV Sterilet Super Page 6 of 13



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Odour
      Pleasant
  Odour threshold (ppm)
     Testing not relevant or not possible due to the nature of the product.
  pН
  Density (g/cm³)
     1.01
  Viscosity
     Testing not relevant or not possible due to the nature of the product.
Phase changes
  Melting point (°C)
     Testing not relevant or not possible due to the nature of the product.
  Boiling point (°C)
     Testing not relevant or not possible due to the nature of the product.
  Vapour pressure
     Testing not relevant or not possible due to the nature of the product.
  Vapour density
     Testing not relevant or not possible due to the nature of the product.
  Decomposition temperature (°C)
      Testing not relevant or not possible due to the nature of the product.
  Evaporation rate (n-butylacetate = 100)
Data on fire and explosion hazards
  Flash point (°C)
     Testing not relevant or not possible due to the nature of the product.
  Ignition (°C)
     Testing not relevant or not possible due to the nature of the product.
  Auto flammability (°C)
     Testing not relevant or not possible due to the nature of the product.
  Explosion limits (% v/v)
     Testing not relevant or not possible due to the nature of the product.
  Explosive properties
      Testing not relevant or not possible due to the nature of the product.
  Oxidizing properties
     Testing not relevant or not possible due to the nature of the product.
Solubility
  Solubility in water
     Completely soluble
  n-octanol/water coefficient
     Testing not relevant or not possible due to the nature of the product.
  Solubility in fat (q/L)
     Testing not relevant or not possible due to the nature of the product.
9.2. Other information
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SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

Colourless

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid



None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

▼ Acute toxicity

Product/substance Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched

Species: Rat Route of exposure: Oral Test: LD50

Result: 500-2000 mg/kg ·

Product/substance didecyldimethylammonium chloride

Species: Rat
Route of exposure: Oral
Test: LD50
Result: 238 mg KG ·

Product/substance propan-2-ol Species: Rat Route of exposure: Oral LD50 Result: 4570 mg/kg ·

Product/substance propan-2-ol Species: Rabbit Route of exposure: Dermal LD50 Result: 13400 mg/kg ·

▼ Skin corrosion/irritation

Product/substance didecyldimethylammonium chloride

Test method: OECD 404 Species: Rabbit

Duration:

Result: Adverse effect observed (Corrosive)

▼ Serious eye damage/irritation

Product/substance didecyldimethylammonium chloride

Species: Duration: Result:

Respiratory sensitisation

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

▼ Skin sensitisation

Product/substance didecyldimethylammonium chloride

Test method: OECD 406 Species: Guinea pig

Result: No adverse effect observed (not sensitising)

▼ Germ cell mutagenicity

Product/substance didecyldimethylammonium chloride

Test method: OECD 471 Species: Bacteria

Conclusion: No adverse effect observed

RV Sterilet Super Page 8 of 13



Product/substance

didecyldimethylammonium chloride

Test method:

OECD 473

Species: Conclusion:

No adverse effect observed

Product/substance

didecyldimethylammonium chloride

Test method:

OECD 476

Species: Conclusion:

No adverse effect observed

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

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

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.

Long term effects

None known.

Other information

propan-2-ol has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

12.1. ▼Toxicity

Product/substance Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched

Species: Fish
Duration: 96 hours
Test: LC50
Result: 1-10 mg/l·

Product/substance Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched

Species:AlgaeDuration:72 hoursTest:EC50Result:1-10 mg/l·

Product/substance Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched

Species: Daphnia
Duration: 48 hours
Test: EC50
Result: 1-10 mg/l·

Product/substance didecyldimethylammonium chloride

Species: Daphnia

Duration: No data available.

Test: EC50

Result: 0,011- 0,099 mg/l ·

Product/substance propan-2-ol Species: Fish Duration: 96 hours Test: LC50

Result: 9640-10000 mg/l ·

RV Sterilet Super Page 9 of 13



Product/substance propan-2-ol Species: Algae Duration: 72 hours Test: EC10 Result: 1800 mg/l ·

Product/substance propan-2-ol Daphnia Species: Duration: 24 hours LC50 Test:

Result: 9714-10000 mg/l ·

12.2. ▼ Persistence and degradability

Product/substance Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched

Biodegradable: **OECD 301 E** Test method: Result: 90%

Product/substance didecyldimethylammonium chloride

Biodegradable:

Test method: Result:

Product/substance propan-2-ol Biodegradable: Yes Test method: OECD 301 E Result: 95%

12.3. ▼ Bioaccumulative potential

Product/substance Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched

Test method:

Potential bioaccumulation: No 2,7700 LogPow: BCF: 98

Other information:

Product/substance didecyldimethylammonium chloride

Test method:

Potential bioaccumulation: No

LogPow: No data available. BCF: No data available.

Other information:

Product/substance propan-2-ol

Test method:

Potential bioaccumulation: No 0,0500 LogPow:

No data available. BCF:

Other information:

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

RV Sterilet Super Page 10 of 13



SECTION 13: Disposal considerations

Waste treatment methods

Product is covered by the regulations on hazardous waste.

To the extent the material has not been subject to regular tests of peroxide formation the waste shall be treated as explosive waste.

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

EWC code

20 01 29* Detergents containing dangerous substances

Waste group H: Waste with low energy content

▼ Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / II	14.2 O UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

^{*} Packing group

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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.

Demands for specific education

No specific requirements.

SEVESO - Categories / dangerous substances

Not applicable.

Biocidal Products Regulations

Product type: PT2 - Disinfectants and algaecides not intended for direct application to humans or animals Restrictions on use:

Directions for use and dose rate:

Additional information:

tree and the contraction

Additional information

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are

^{**} Environmental hazards



held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources

Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.

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 649/2012 concerning the export and import of hazardous chemicals 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.

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

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SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

H400, Very toxic to aquatic life.

H411, Toxic to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

LCS "PW" = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

PC 8 = Biocidal Products (e.g. Disinfectants, pest control)

ERC 8a = Wide dispersive indoor use of processing aids in open systems

▼ 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

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

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

RV Sterilet Super Page 12 of 13



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

Not applicable.

▼ The safety data sheet is validated by

Victoria

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue 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