

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Steritox

Product no.

-

REACH registration number

Not applicable

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

Relevant identified uses of the substance or mixture

PC8 Disinfection

Biocidal Products (e.g. Disinfectants, pest control) (PC8)

Washing and Cleaning Products (including solvent based products) (PC35)

Roller application or brushing (PROC 10)

Non industrial spraying (PROC 11)

Industrial uses: Uses of substances as such or in preparations at industrial sites (SU 3)

Manufacture of food products (SU 4)

Health services (SU 20)

Professional uses: Public domain (administration, education, entertainment, services, craftsmen) (SU 22)

Wide dispersive indoor use of processing aids in open systems (ERC8a)

Wide dispersive indoor use of substances in closed systems (ERC9a)

Uses advised against

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The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

NCÅ-Verodan A/S

Korinthvej 10

9220 Ålborg Ø

+45 70 27 16 30

www.ncaa.dk

Contact person**E-mail**

mail@ncaa.dk

SDS date

2016-12-20

SDS Version

11.0

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

Skin Corr. 1B; H314

Eye Dam. 1; H318

Aquatic Acute 1; H400

Aquatic Chronic 1; H410

See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

Causes severe skin burns and eye damage. (H314)
Very toxic to aquatic life with long lasting effects. (H410)

Safety statement(s)

General

Prevention

Response

Storage

Disposal

-
Do not breathe mist/vapours/fume/spray. (P260).
Wear eye protection/protective clothing/protective gloves. (P280).
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/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).
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Dispose of contents/container to an approved waste disposal plant. (P501).

Identity of the substances primarily responsible for the major health hazards

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

2.3. Other hazards

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Additional labelling

-

Additional warnings

VOC

-

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

NAME: Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
IDENTIFICATION NOS.: CAS-no: 68424-85-1 EC-no: 270-325-2 REACH-no: 01-2119970550-39-0000 Index-no: 612-140-00-5
CONTENT: 5-10%
CLP CLASSIFICATION: Acute Tox. 4, Skin. Corr. 1B, Aquatic Acute 1, Aquatic Chronic 1
H302, H314, H400, H410 (M-acute = 10) (M-chronic = 10)

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

Other information

ATEmix(inhale, vapour) > 20
ATEmix(inhale, dust/mist) > 20000
ATEmix(dermal) > 2000
ATEmix(oral) > 2000
Eye Cat. 1 Sum = Sum(Ci/S(G)CLi) = 2 - 3
Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 6 - 9
N chronic (CAT 1) Sum = Sum(Ci/M(chronic))*25) = 2,4 - 3,6
N acute (CAT 1) Sum = Sum(Ci/M(acute))*25) = 2,4 - 3,6
Detergent:
5 - 15%: CATIONIC SURFACTANTS

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. The doctor can contact The National Poisons Information Service (dial 111, 24 h service). 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**

Bring the injured person into fresh air. Make sure the injured person is continuously monitored. Prevent shock by keeping the injured person warm and calm. If breathing ceases, give mouth-to-mouth resuscitation. If unconscious, roll the injured person into recovery position. Call an ambulance.

▼ **Skin contact**

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

▼ **Eye contact**

Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing.

▼ **Ingestion**

Provide plenty of water for the person to drink and stay with him/her. 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 victim 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**

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.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

No special

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

▼ **5.1. Extinguishing media**

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

No special

▼ **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**

Avoid direct contact with spilled substances. Avoid inhalation of vapours from spilled material.

▼ **6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities. It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

▼ **6.3. Methods and material for containment and cleaning up**

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

▼ **6.4. Reference to other sections**

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

▼7.1. Precautions for safe handling

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

▼7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature

No data available.

▼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

▼OEL

No substances are listed in The Control of Substances Hazardous to Health Regulations with an occupational exposure limit.

▼DNEL / PNEC

PNEC (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides): 0,0009 mg/l

Exposure: Freshwater

PNEC (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides): 0,00096 mg/l

Exposure: Marine water

PNEC (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides): 0,00016 mg/l

Exposure: Intermittent release

PNEC (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides): 12,27 mg/Kg

Exposure: Freshwater sediment

PNEC (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides): 13,09 mg/Kg

Exposure: Marine water sediment

PNEC (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides): 7 mg/Kg

Exposure: Soil

PNEC (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides): 0,4 mg/Kg

Exposure: Sewage Treatment Plant

8.2. Exposure controls

▼ Control is unnecessary if the product is used as intended.

General recommendations

▼ Observe general occupational hygiene standards.

Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

▼Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

▼Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

▼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

Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment



Generally

Use only CE marked protective equipment.

Respiratory Equipment

In case of spray application: Use mask with particle filter S/SL

▼Skin protection

Dedicated work clothing should be worn. Wear a protective suit in the event of prolonged periods of work with the product.

Hand protection

Recommended: Nitrile rubber. Breakthrough time: > 120 minutes (Class 4)

▼ **Eye protection**

Wear safety glasses with side shields.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	Colourless
Odour	None
pH	7,0
Viscosity (40°C)	No data available.
Density (g/cm ³)	1,01

Phase changes

Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.

Data on fire and explosion hazards

Flashpoint (°C)	No data available.
Ignition (°C)	No data available.
Self-ignition (°C)	No data available.
Explosion limits (Vol %)	No data available.

Solubility

Solubility in water	Soluble
n-octanol/water coefficient	No data available.

9.2. Other information

Solubility in fat (g/L)	No data available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

▼ **10.2. Chemical stability**

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

10.3. Possibility of hazardous reactions

No special

▼ **10.4. Conditions to avoid**

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

▼ **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

Substance	Species	Test	Route of exposure	Result
Quaternary ammonium compounds,...	Rat	LD50	Oral	397,5 mg/kg
Quaternary ammonium compounds,...	Rabbit	LD50	Dermal	3412 mg/kg

▼ **Skin corrosion/irritation**

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

Data on substance: Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

No adverse effect observed.

Carcinogenicity

14.1 – 14.4

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

ADR/RID

14.1. UN number	1760
14.2. UN proper shipping name	CORROSIVE LIQUID, N.O.S.
14.3. Transport hazard class(es)	8
14.4. Packing group	II
Notes	-
Tunnel restriction code	-

IMDG

UN-no.	1760
Proper Shipping Name	CORROSIVE LIQUID, N.O.S QUATERNARY AMMONIUMCOMPOUNDS, BEN-ZYL-C12-16-ALKYLDIMETHYL,CHLORIDES
Class	8
PG*	II
EmS	-
MP**	-
Hazardous constituent	-

IATA/ICAO

UN-no.	1760
Proper Shipping Name	CORROSIVE LIQUID, N.O.S QUATERNARY AMMONIUMCOMPOUNDS, BEN-ZYL-C12-16-ALKYLDIMETHYL,CHLORIDES
Class	8
PG*	II

14.5. Environmental hazards

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14.6. Special precautions for user

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

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information

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

▼ Restrictions for application

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Demands for specific education

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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. Data to support this assertion are 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

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

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 (CLP). EC regulation 1907/2006 (REACH).

15.2. Chemical safety assessment

No

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.
- H400 - Very toxic to aquatic life.
- H410 - Very toxic to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

- PC8 = Biocidal Products (e.g. Disinfectants, pest control)
- PC35 = Washing and Cleaning Products (including solvent based products)
- PROC 10 = Roller application or brushing
- PROC 11 = Non industrial spraying
- SU 3 = Industrial uses: Uses of substances as such or in preparations at industrial sites
- SU 4 = Manufacture of food products
- SU 20 = Health services
- SU 22 = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- ERC8a = Wide dispersive indoor use of processing aids in open systems
- ERC9a = Wide dispersive indoor use of substances in closed systems

Other symbols mentioned in section 2

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Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:

The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

The classification of the mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) 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.

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.

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

The safety data sheet is validated by

AJA

Date of last essential change (First cipher in SDS version)

2016-06-23

Date of last minor change (Last cipher in SDS version)

2016-09-14