

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

Des Skum QA

**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**

PC35 Cleansers, liquid

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

Roller application or brushing (PROC 10)

Manufacture of food products (SU 4)

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

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

**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

Industriparken 5

DK-9560 Hadsund

+45 70 27 16 30

www.ncaa.dk

**Contact person****E-mail**

mail@ncaa.dk

**SDS date**

2017-01-10

**SDS Version**

8.0

### 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 Do not breathe mist/vapours/fume/spray. (P260).  
Wear eye protection/protective clothing/protective gloves. (P280).  
Response 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).  
Storage -  
Disposal -

**Identity of the substances primarily responsible for the major health hazards**

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

**2.3. Other hazards**

-

**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)
NAME:	dodecyldimethylamine oxide
IDENTIFICATION NOS.:	CAS-no: 1643-20-5 EC-no: 216-700-6
CONTENT:	<1%
CLP CLASSIFICATION:	Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1 H315, H318, H400

(\*) 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 = 2,48992 - 3,73488  
Detergent:  
5 - 15%: CATIONIC SURFACTANTS  
< 5%: ACETIC ACID, NON-IONIC 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 person into fresh air and stay with him.

▼ **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**

No specific requirements.

▼ **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: Neoprene. Breakthrough time: > 240 minutes (Class 5)

▼ **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	Characteristic
pH	4,5
Viscosity (40°C)	No data available.
Density (g/cm <sup>3</sup> )	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

Data on substance: Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides  
No adverse effect observed.



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	E

#### 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	F-A, S_B
MP**	Yes
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

This product contains substances, which due to poor biodegradability, may cause adverse long-term effects to the aquatic environment,

#### 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.
- H315 - Causes skin irritation.
- H318 - Causes serious 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)
- PROC 10 = Roller application or brushing
- SU 4 = Manufacture of food products
- SU 22 = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- ERC8a = Wide dispersive indoor use of processing aids in open 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)

2016-02-29

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

2016-02-29