

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

Nowo Clean

**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**

Cleaner

**Uses advised against**

-

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**

NOWOCOAT INDUSTRIAL A/S

Stålvvej 3

6000 Kolding

tlf: +45 7550 1111

mail@nowocoat.dk

**Contact person**

Annette Søgaard

**E-mail**

mail@nowocoat.dk

**SDS date**

28-03-18

**SDS Version**

3.0

### 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

Acute Tox. 4; H302

Skin Corr. 1B; H314

Eye Dam. 1; H318

Aquatic Acute 1; H400

See full text of H-phrases in section 2.2.

### 2.2. Label elements

#### ▼ Hazard pictogram(s)



#### Signal word

Danger

#### ▼ Hazard statement(s)

Harmful if swallowed. (H302)

Causes severe skin burns and eye damage. (H314)

Very toxic to aquatic life. (H400)

#### ▼ Safety statement(s)

General	-
Prevention	Do not breathe mist/vapours/fume/spray. (P260). Avoid release to the environment. (P273). Wear eye protection/protective clothing/protective gloves. (P280).
Response	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. (P301+P330+P331). IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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	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

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#### ▼ Additional warnings

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#### VOC

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### 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
CONTENT:	40-60%
CLP CLASSIFICATION:	Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1 H302, H314, H400 (M-acute = 1)
NOTE:	-

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

#### Other information

ATEmix(oral) = 800 - 1200  
Eye Cat. 1 Sum =  $\sum(Ci/S(G)CLi) = 13,3336 - 20,0004$   
Skin Cat. 2 Sum =  $\sum(Ci/S(G)CLi) = 40 - 60$   
N acute (CAT 1) Sum =  $\sum(Ci/M(acute)^i \cdot 25) = 1,6 - 2,4$   
Detergent: 30% and more 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 person into fresh air and stay with him.

##### ▼ Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with soap and water. 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

In the case of ingestion, contact a doctor immediately and bring the safety data sheet or label. If the person is conscious, give them water. DO NOT try to induce vomiting, unless this is recommended by a doctor. Hold head facing down to prevent vomit returning to the mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

#### Burns

Not applicable.

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

Harmful if swallowed.

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.

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

IF exposed or concerned: Get immediate medical advice/attention.

#### 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

Nothing special.

#### ▼ 5.3. Advice for firefighters

No specific requirements.

### 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 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 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

Room temperature 18 to 23°C.

#### 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

No data available

### 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 containment 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

If ventilation at the work place is insufficient, use a half- or full mask with an appropriate filter or an air-supplied breathing apparatus depending on the specific work situation and how long you will be using the product.

#### Skin protection

Wear appropriate protection clothing, e.g. coveralls in polypropylene approved type 6 and Category III.

#### Hand protection

Recommended: Nitrile rubber. See the manufacturer's instructions.

#### 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	No data available.
Odour	No data available.
Odour threshold (ppm)	No data available.
pH	No data available.
Viscosity (40°C)	No data available.
Density (g/cm <sup>3</sup> )	0,95-1,05
<b>Phase changes</b>	
Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.

**Data on fire and explosion hazards**

Flash point (°C)	No data available.
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	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**

Nothing 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
No data available.				

**▼ 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**

No data available.

**Carcinogenicity**

No data available.

**Reproductive toxicity**

No data available.

**STOT-single exposure**

No data available.

**STOT-repeated exposure**

No data available.

**Aspiration hazard**

No data available.

**▼ Long term effects**

No data available.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Substance	Species	Test	Duration	Result
No data available.				

**12.2. Persistence and degradability**

Substance	Biodegradability	Test	Result
No data available.			

### 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
No data available.			

### 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.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

#### Waste

EWC code	detergents containing dangerous substances
20 01 29	

#### Specific labelling

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#### ▼ Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

## SECTION 14: Transport information

### 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. (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)
14.3. Transport hazard class(es)	8
14.4. Packing group	III
Notes	-
Tunnel restriction code	-

#### ▼ IMDG

UN-no.	1760
Proper Shipping Name	CORROSIVE LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)
Class	8
PG*	III
EmS	-
MP**	Y
Hazardous constituent	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

#### IATA/ICAO

UN-no.	1760
Proper Shipping Name	CORROSIVE LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)
Class	8
PG*	III

### 14.5. Environmental hazards

If the quantity transported exceeds 5 kg or litre must be labelled with an environmental hazard.

### 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.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

#### 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.

Detergent: 30% and more cationic surfactants.

#### 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.

#### The full text of identified uses as mentioned in section 1

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#### Additional label elements

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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

Annette

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

28-03-18

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

28-03-18