

## SAFETY DATA SHEET

## Cooltreat NCLT

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

## 1.1. Product identifier

## Trade name

Cooltreat NCLT

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

## Relevant identified uses of the substance or mixture

No special

## Uses advised against

No special

## 1.3. Details of the supplier of the safety data sheet

## Company and address

**Vecom Marine B.V.**

Mozartlaan 3

3144 NA Maassluis

The Netherlands

+31 (0) 10-5930210

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<https://vecom-marine.com>

## Contact person

Vecom Marine B.V.

## E-mail

[sales@vecom-marine.com](mailto:sales@vecom-marine.com)

## Revision

11/04/2022

## SDS Version

2.0

## Date of previous version

11/04/2022 (2.0)

## 1.4. Emergency telephone number

National Poisons Information Centre (NVIC): +31 (0)88-755-8000 (24 hour service)

Only intended to inform professional emergency services in case of acute poisoning.

See section 4 on first aid measures.

## SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

Acute Tox. 4; H302, Harmful if swallowed.

Skin Irrit. 2; H315, Causes skin irritation.

Eye Irrit. 2; H319, Causes serious eye irritation.

## 2.2. Label elements

## Hazard pictogram(s)



## Signal word

Warning

## Hazard statement(s)

Harmful if swallowed. (H302)  
 Causes skin irritation. (H315)  
 Causes serious eye irritation. (H319)

**Safety statement(s)**

**General**

-

**Prevention**

Wear eye protection/protective gloves/protective clothing. (P280)

**Response**

If eye irritation persists: Get medical advice/attention. (P337+P313)

Rinse mouth. (P330)

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. (P301+P312)

**Storage**

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**Disposal**

Dispose of contents/container to an approved waste disposal plant. (P501)

**Hazardous substances**

sodium nitrite

potassium hydroxide;caustic potash

**2.3. Other hazards**

**Additional labelling**

Not applicable

**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**

**3.2. Mixtures**

Product/substance	Identifiers	% w/w	Classification	Note
sodium nitrite	CAS No.: 7632-00-0 EC No.: 231-555-9 REACH: 01-2119471836-27-XXXX Index No.: 007-010-00-4	15-25%	Ox. Sol. 2, H272 Acute Tox. 3, H301 Eye Irrit. 2, H319 Aquatic Acute 1, H400 (M=1)	
Borax decahydraat	CAS No.: 1303-96-4 EC No.: 215-540-4 REACH: 01-2119490790-32 Index No.: 005-011-01-1	1-3%	Eye Irrit. 2, H319 Repr. 1B, H360FD	
potassium hydroxide;caustic potash	CAS No.: 1310-58-3 EC No.: 215-181-3 REACH: 01-2119487136-33-XXXX Index No.: 019-002-00-8	1-3%	Met. Corr. 1, H290 Acute Tox. 4, H302 Skin Corr. 1B, H314 (SCL: 2.00 %) Skin Corr. 1A, H314 Skin Irrit. 2, H315 (SCL: 0.50 %) Eye Irrit. 2, H319 (SCL: 0.50 %)	

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

**Other information**

No special

## 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

IF ON SKIN: Wash with plenty of water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 5 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

#### Ingestion

In the case of ingestion, contact a doctor immediately. 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 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

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

If eye irritation persists: Get medical advice/attention.

#### Information to medics

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

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

### 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.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Nitrogen oxides (NO<sub>x</sub>)

Some metal oxides.

### 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.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

### 6.3. Methods and material for containment and cleaning up

Use sand, 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 13 on "Disposal considerations" in regard of 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

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

#### Recommended storage material

Always store in containers of the same material as the original container.

#### Storage temperature

Dry, cool and well ventilated

#### 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

—  
Borax decahydraat

No substances are listed in the national list of substances with an occupational exposure limit.

Borax decahydraat is included in the national list of substances suspected of causing cancer  
SZW-lijst van kankerverwekkende stoffen en processen, Ministerie van Sociale Zaken en Werkgelegenheid  
(Staatscourant 2018 nr. 21)

#### DNEL

Product/substance	sodium nitrite
DNEL	2 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Short term – Systemic effects - Workers

Product/substance	sodium nitrite
DNEL	2 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers

Product/substance	Borax decahydraat
DNEL	22.3 mg/m <sup>3</sup>

Route of exposure Duration	Inhalation Short term – Local effects - Workers
Product/substance DNEL Route of exposure Duration	Borax decahydraat 12.8 mg/m <sup>3</sup> Inhalation Long term – Systemic effects - Workers
Product/substance DNEL Route of exposure Duration	Borax decahydraat 22.3 mg/m <sup>3</sup> Inhalation Short term – Local effects - General population
Product/substance DNEL Route of exposure Duration	Borax decahydraat 42478 mg/dag Dermal Long term – Systemic effects - Workers
Product/substance DNEL Route of exposure Duration	Borax decahydraat 1.5 mg/kg lg/dag Oral Short term – Systemic effects - General population
Product/substance DNEL Route of exposure Duration	Borax decahydraat 22.3 mg/m <sup>3</sup> Inhalation Long term – Local effects - General population
Product/substance DNEL Route of exposure Duration	Borax decahydraat 6.5 mg/kg ld/dag Inhalation Long term – Systemic effects - General population
Product/substance DNEL Route of exposure Duration	Borax decahydraat 303.5 mg/kg lg/dag Dermal Long term – Systemic effects - General population
Product/substance DNEL Route of exposure Duration	Borax decahydraat 1.5 mg/kg lg/dag Oral Long term – Systemic effects - General population
Product/substance DNEL Route of exposure Duration	potassium hydroxide;caustic potash 1 mg/m <sup>3</sup> Inhalation Long term – Local effects - Workers

#### PNEC

Product/substance PNEC Route of exposure	sodium nitrite 0.0054 mg/l Freshwater
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Duration of Exposure

Product/substance sodium nitrite  
 PNEC 0.00616 mg/l  
 Route of exposure Marine water  
 Duration of Exposure

Product/substance sodium nitrite  
 PNEC 0.0195 mg/l  
 Route of exposure Freshwater sediment  
 Duration of Exposure

Product/substance sodium nitrite  
 PNEC 0.0223 mg/kg  
 Route of exposure Marine water sediment  
 Duration of Exposure

Product/substance sodium nitrite  
 PNEC 0.000733 mg/kg  
 Route of exposure Soil  
 Duration of Exposure

Product/substance sodium nitrite  
 PNEC 0.0054 mg/l  
 Route of exposure Intermittent release  
 Duration of Exposure

Product/substance sodium nitrite  
 PNEC 21 mg/l  
 Route of exposure Sewage treatment plant  
 Duration of Exposure

Product/substance Borax decahydraat  
 PNEC 1.35 mg B/l  
 Route of exposure Freshwater  
 Duration of Exposure

Product/substance Borax decahydraat  
 PNEC 1.35 mg B/l  
 Route of exposure Marine water  
 Duration of Exposure

Product/substance Borax decahydraat  
 PNEC 1.8 mg B/kg  
 Route of exposure Freshwater sediment  
 Duration of Exposure

Product/substance Borax decahydraat  
 PNEC 1.8 mg B/kg  
 Route of exposure Marine water sediment  
 Duration of Exposure

Product/substance	Borax decahydraat
PNEC	5.4 mg B/kg
Route of exposure	Soil
Duration of Exposure	

Product/substance	Borax decahydraat
PNEC	9.1 mg B/l
Route of exposure	Intermittent release
Duration of Exposure	

Product/substance	Borax decahydraat
PNEC	1.75 mg B/l
Route of exposure	Sewage treatment plant
Duration of Exposure	

## 8.2. Exposure controls

Control is unnecessary if the product is used as intended.

### 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

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 vapours.

### Hygiene measures

Take off contaminated clothing and wash it before reuse.

### Measures to avoid environmental exposure

No specific requirements

## Individual protection measures, such as personal protective equipment

### Generally

Use only CE marked protective equipment.

### Respiratory Equipment

Type	Class	Colour	Standards
No special when used as intended.			

### Skin protection

Recommended	Type/Category	Standards
Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.	-	-



### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	-	-	EN374-2



## Eye protection

Type	Standards
Wear safety glasses with side shields.	EN166



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Liquid

#### Colour

Yellow

#### Odour / Odour threshold

Characteristic

#### pH

>12

#### Density (g/cm<sup>3</sup>)

1.16 (20 °C)

#### Relative density

1.16 (20 °C)

#### Kinematic viscosity

Testing not relevant or not possible due to nature of the product.

#### Particle characteristics

Does not apply to liquids.

#### Phase changes

##### Melting point/Freezing point (°C)

-5

##### Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

##### Boiling point (°C)

Testing not relevant or not possible due to nature of the product.

##### Vapour pressure

Testing not relevant or not possible due to nature of the product.

##### Relative vapour density

Testing not relevant or not possible due to nature of the product.

##### Decomposition temperature (°C)

Testing not relevant or not possible due to nature of the product.

#### Data on fire and explosion hazards

##### Flash point (°C)

Testing not relevant or not possible due to nature of the product.

##### Ignition (°C)

Testing not relevant or not possible due to nature of the product.

##### Auto flammability (°C)

Testing not relevant or not possible due to nature of the product.

##### Lower and upper explosion limit (% v/v)

Testing not relevant or not possible due to nature of the product.

#### Solubility

##### Solubility in water

Soluble

##### n-octanol/water coefficient

Testing not relevant or not possible due to nature of the product.

##### Solubility in fat (g/L)

Testing not relevant or not possible due to nature of the product.



## 9.2. Other information

### Other physical and chemical parameters

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

No special

### 10.4. Conditions to avoid

No special

### 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 hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Product/substance	sodium nitrite
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	180 mg/kg
Other information	

Product/substance	Borax decahydraat
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>2000 mg/kg
Other information	

Product/substance	Borax decahydraat
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	6000 mg/kg
Other information	

Product/substance	potassium hydroxide;caustic potash
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	333 mg/kg

Other information

Harmful if swallowed.

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory sensitisation**

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

**Skin sensitisation**

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

**Germ cell mutagenicity**

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

**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.

11.2. Information on other hazards

**Long term 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.

**Endocrine disrupting properties**

No special

**Other information**

No special

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	sodium nitrite
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	0.54 - 26.3 mg/L
Other information	

Product/substance	sodium nitrite
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	>100 mg/L
Other information	

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Product/substance	sodium nitrite
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	15.4 mg/L
Other information	

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Product/substance	Borax decahydraat
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	79.7 mg B/l
Other information	

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Product/substance	Borax decahydraat
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	40 mg B/l
Other information	

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Product/substance	Borax decahydraat
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	133 mg B/l
Other information	

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Product/substance	potassium hydroxide;caustic potash
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	80 mg/L
Other information	

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## 12.2. Persistence and degradability

Product/substance	Borax decahydraat
Biodegradable	Yes
Test method	
Result	

## 12.3. Bioaccumulative potential

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. Endocrine disrupting properties

No special

#### 12.7. 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.

HP 4 - Irritant (skin irritation and eye damage)

HP 6 - Acute toxicity

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

#### EWC code

Not applicable

#### Specific labelling

Not applicable

#### Contaminated packing

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

### SECTION 14: Transport information

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

\* Packing group

\*\* Environmental hazards

#### Additional information

Not dangerous goods according to ADR, IATA and IMDG.

#### 14.6. Special precautions for user

Not applicable

#### 14.7. Maritime transport in bulk according to IMO instruments

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

##### Additional information

Not applicable

## Sources

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

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 (CLP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

## 15.2. Chemical safety assessment

No

## SECTION 16: Other information

### Full text of H-phrases as mentioned in section 3

H272, May intensify fire; oxidiser.

H290, May be corrosive to metals.

H301, Toxic if swallowed.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H319, Causes serious eye irritation.

H360FD, May damage fertility. May damage the unborn child.

H400, Very toxic to aquatic life.

### 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

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

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

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

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

#### ▼ The safety data sheet is validated by

RK

#### 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: NL-en