

SAFETY DATA SHEET

# CIP 1100 CL

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

### 1.1. Product identifier

**Trade name**

CIP 1100 CL

**Unique formula identifier (UFI)**

W200-U0CW-500G-QP5C

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

**Relevant identified uses of the substance or mixture**

PC35 Washing and cleaning products

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

**Code**

AISE-P801 / Food process cleaner. Cleaning In place (CIP) process.

**Use descriptors (REACH)**

Sectors of use	Description
LCS "PW"	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Product category	Description
PC35	Washing and Cleaning Products (including solvent based products)
Process category	Description
PROC1	Use in closed process, no likelihood of exposure
Environmental release category	Description
ERC9a	Wide dispersive indoor use of processing aids in close systems

**Uses advised against**

None known.

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

**Company and address**

**NCA-Verodan A/S**  
 Industriparken 5  
 DK-9560 Hadsund  
 Denmark  
 Tel.: +45 7027 1630  
 www.ncaa.dk

**E-mail**

mail@ncaa.dk

**Revision**

2/28/2023

**SDS Version**

1.0

### 1.4. Emergency telephone number

Contact the poison hotline: +45 82 12 12 12 (24 hour service)

See section 4 "First aid measures".

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Met. Corr. 1; H290, May be corrosive to metals.

Skin Corr. 1A; H314, Causes severe skin burns and eye damage.

Eye Dam. 1; H318, Causes serious eye damage.

Aquatic Acute 1; H400, Very toxic to aquatic life.  
 Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

## 2.2. Label elements

### Hazard pictogram(s)



### Signal word

Danger

### Hazard statement(s)

May be corrosive to metals. (H290)  
 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 vapour/mist. (P260)  
 Wear face protection/protective gloves/protective clothing. (P280)

#### Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. (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

Store in a container with a resistant inner liner. (P406)

#### Disposal

Dispose of contents/container in accordance with local regulation. (P501)

### Hazardous substances

Potassium hydroxide  
 sodium hypochlorite, solution % Cl active

### Additional labelling

UFI: W200-U0CW-500G-QP5C

## 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.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## 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
Potassium hydroxide	CAS No.: 1310-58-3 EC No.: 215-181-3 REACH: 01-2119487136-33xxxx Index No.: 019-002-00-8	10-15%	Met. Corr. 1, H290 Acute Tox. 4, H302 Skin Corr. 1A, H314	
pentapotassium triphosphate	CAS No.: 13845-36-8 EC No.: 237-574-9 REACH: 01-2119485639-19-0004 Index No.:	3-5%		
sodium hypochlorite, solution % Cl active	CAS No.: 7681-52-9 EC No.: 231-668-3 REACH: 01-2119488154-34-xxxx Index No.: 017-011-00-1	3-5%	EUH031 Met. Corr. 1, H290 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 2, H411	

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

#### Other information

-

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

< 5%

- Chlorine-based bleaching Agents
- Phosphates

### 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

Flush exposed area with water for a long time - at least 30 minutes. It may be necessary to flush for several hours. Use a comfortable water temperature (20-30 °C). Contact Poison Information/doctor/hospital for further advice on follow-up and treatment.

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.

If skin irritation occurs: Get medical advice/attention.

##### Eye contact

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

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 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.

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

Halogenated compounds

Some metal oxides

Oxygen, hypochlorous acid, chlorine.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the chemical emergency services on 45 90 60 00 (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. In the event of leakage to the surroundings, contact local environmental authorities.

### 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

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

Avoid direct contact with the product.

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.

Store in a container with a resistant inner liner.

#### Recommended storage material

Keep only in original packaging.

#### Storage temperature

> 0°C

#### Incompatible materials

Strong acids, alkali metals, metal powders, oxidizing materials and amines. Contact with metals can result in decomposition with the formation of oxygen.

### 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

Potassium hydroxide

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 2

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 2

Statutory order 1054 on exposure limits for substances and mixtures (28/06/2022)

### DNEL

sodium hypochlorite, solution % Cl active

Duration:	Route of exposure:	DNEL:
Long term – Local effects - Workers	Inhalation	1,4 mg/m <sup>3</sup>
Short term – Local effects - Workers	Inhalation	3 mg/m <sup>3</sup>

### PNEC

sodium hypochlorite, solution % Cl active

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,0126 mg/l
Freshwater sediment		0,047 mg/l
Marine water		0,0126 mg/l
Marine water sediment		0,047 mg/l

## 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.

### 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

Work situation	Type	Class	Colour	Standards	
When there is risk of formation of mist/aerosol	S/SL	P2	White	EN149	
	No special when used as intended.				


### Skin protection

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn.	-	-	

### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Neoprene (Neoprene)	0.32	> 60	EN374-2, EN374-3, EN388	

### Eye protection

Type	Standards	
Face shield alternatively 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
  - Colourless
- Odour / Odour threshold
  - Sharp/pungent
- pH
  - 14
- pH in solution
  - 12,3 (1%)
- Density (g/cm<sup>3</sup>)
  - 1.2
- Kinematic viscosity
  - Testing not relevant or not possible due to the nature of the product.
- Particle characteristics
  - Does not apply to liquids.
- Phase changes
  - Melting point/Freezing point (°C)
    - Testing not relevant or not possible due to the nature of the product.
  - Softening point/range (waxes and pastes) (°C)
    - Does not apply to liquids.
  - Boiling point (°C)
    - 100
  - Vapour pressure
    - Testing not relevant or not possible due to the nature of the product.
  - Relative 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.
- Data on fire and explosion hazards
  - Flash point (°C)
    - Testing not relevant or not possible due to the nature of the product.
  - Flammability (°C)
    - Testing not relevant or not possible due to the nature of the product.
  - Auto-ignition temperature (°C)
    - Testing not relevant or not possible due to the nature of the product.
  - Lower and upper explosion limit (% v/v)
    - 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 (g/L)
    - Testing not relevant or not possible due to the nature of the product.
- 9.2. Other information
  - Other physical and chemical parameters
    - No data available.

## SECTION 10: Stability and reactivity

- 10.1. Reactivity
  - Contact with acids liberates toxic gas.
  - Reacts violently with alkali metals, metal powders, oxidizing materials and amines.
- 10.2. Chemical stability
  - The product is stable under the conditions, noted in section 7 "Handling and storage".
- 10.3. Possibility of hazardous reactions
  - Contact with acids liberates toxic gas.
- 10.4. Conditions to avoid
  - Protect from sunlight. Do not expose to temperatures exceeding 20 °C/68 °F.

### 10.5. Incompatible materials

Strong acids, alkali metals, metal powders, oxidizing materials and amines. Contact with metals can result in decomposition with the formation of oxygen.

### 10.6. Hazardous decomposition products

Oxygen, hypochlorous acid, chlorine.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Product/substance	Potassium hydroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	365 mg/kg ·

Product/substance	sodium hypochlorite, solution % Cl active
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1100 mg/kg ·

Product/substance	sodium hypochlorite, solution % Cl active
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	> 2000 mg/kg ·

Product/substance	sodium hypochlorite, solution % Cl active
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	> 10500 mg/kg ·

#### Skin corrosion/irritation

Causes severe skin burns and eye damage.

#### Serious eye damage/irritation

Causes serious eye damage.

#### 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

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.

#### Endocrine disrupting properties

Not applicable.

#### Other information

None known.

## SECTION 12: Ecological information

### 12.1. Toxicity

Product/substance Potassium hydroxide  
 Species: Fish  
 Duration: 48 hours  
 Test: LC50  
 Result: 125 mg/l ·

Product/substance Potassium hydroxide  
 Species: Daphnia  
 Duration: 96 hours  
 Test: EC50  
 Result: 40-240 mg/l ·

Product/substance sodium hypochlorite, solution % Cl active  
 Species: Fish  
 Duration: 96 hours  
 Test: LC50  
 Result: 0,06 mg/l ·

Product/substance sodium hypochlorite, solution % Cl active  
 Species: Crustacean  
 Duration: 48 hours  
 Test: EC50  
 Result: 0,141 mg/l ·

Product/substance sodium hypochlorite, solution % Cl active  
 Species: Algae  
 Duration: No data available.  
 Test: NOEC  
 Result: 0,0021 mg/l ·

### 12.2. Persistence and degradability

No data available.

### 12.3. Bioaccumulative potential

Product/substance Potassium hydroxide  
 Test method:  
 Potential bioaccumulation: No  
 LogPow: -3,8800  
 BCF: No data available.  
 Other information:

Product/substance sodium hypochlorite, solution % Cl active  
 Test method:  
 Potential bioaccumulation: No  
 LogPow: -3,4200  
 BCF: No data available.  
 Other information:

### 12.4. Mobility in soil

sodium hypochlorite, solution % Cl active  
 LogKoc = 0.8679, High mobility potential.

### 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

Not applicable.

### 12.7. Other adverse effects

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

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



## SECTION 13: Disposal considerations

### Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 8 – Corrosive

HP 14 – Ecotoxic

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

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

### EWC code

20 01 15\* Alkalines

Waste group H:

Waste with low energy content

16 09 04\* Oxidising substances, not otherwise specified




### 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) Labels: 8 Classification code: C5	14.4 PG*	14.5 Env**	Other information:
ADR	3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Potassium hydroxide) (Potassium hydroxide)	Class: 8 Labels: 8 Classification code: C5 	II	Yes	Limited quantities: 1 L Tunnel restriction code: 2 (E) See below for additional information.
IMDG	3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Potassium hydroxide) (Potassium hydroxide)	Class: 8 Labels: 8 Classification code: C5 	II	Yes	Limited quantities: 1 L EmS: F-A S-B See below for additional information.
IATA	3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Potassium hydroxide) (Potassium hydroxide)	Class: 8 Labels: 8 Classification code: C5 	II	Yes	See below for additional information.

\* Packing group

\*\* Environmental hazards

### Additional information

ADR / See Table A, Section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

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

### 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.

People under the age of 18 shall not be exposed to this product.

##### Demands for specific education

No specific requirements.

##### SEVESO - Categories / dangerous substances

E1 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes / (upper-tier): 200 tonnes

##### Product registration number

4451483

##### Additional information

Not applicable.

##### Sources

The Danish Working Environment Authority's executive order no. 239 of 6 April 2005 on young people's work.

Based on 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.

Executive Order no. 372 of 25 April 2016 on control of the risk of major accidents with dangerous substances.

Commission 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

EUH031, Contact with acids liberates toxic gas.

H290, May be corrosive to metals.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H318, Causes serious eye damage.

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)

PROC1 = Use in closed process, no likelihood of exposure

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

ERC9a = Wide dispersive indoor use of processing aids in close 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

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

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

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

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

#### The safety data sheet is validated by

JEH

#### 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: DK-en