

## SAFETY DATA SHEET

## CIP 1103 SD

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

## 1.1. Product identifier

## Trade name

CIP 1103 SD

## Unique formula identifier (UFI)

VP90-H0PC-F00W-TUDM

## 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

Restricted to professional users.

## 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
PC 35	Washing and Cleaning Products (including solvent based products)
Process category	Description
PROC 1	Anvendelse i lukket proces, ingen sandsynlighed for eksponering.
Environmental release category	Description
ERC 9a	Wide dispersive indoor use of substances in closed 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

9/5/2023

## SDS Version

2.0

## Date of previous version

11/7/2022 (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

Classified according to Regulation (EC) No. 1272/2008 (CLP).

## 2.1. Classification of the substance or mixture

Skin Corr. 1A; H314, Causes severe skin burns and eye damage.  
Eye Dam. 1; H318, Causes serious eye damage.

## 2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

Causes severe skin burns and eye damage. (H314)

Precautionary 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)

Immediately call a POISON CENTER/doctor. (P310)

Storage

-

▼ Disposal

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

Hazardous substances

sodium hydroxide

Potassium hydroxide

Additional labelling

UFI: VP90-H0PC-F00W-TUDM

## 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
sodium hydroxide	CAS No.: 1310-73-2 EC No.: 215-185-5 REACH: 01-2119457892-27xxxx Index No.: 011-002-00-6	15-25%	Skin Corr. 1A, H314 Skin Corr. 1B, H314 (SCL: 2.00 %) Skin Irrit. 2, H315 (SCL: 0.50 %) Eye Irrit. 2, H319 (SCL: 0.50 %)	
Potassium hydroxide	CAS No.: 1310-58-3 EC No.: 215-181-3 REACH: 01-2119487136-33xxxx Index No.: 019-002-00-8	5-10%	Met. Corr. 1, H290 Acute Tox. 4, H302 Skin Corr. 1A, H314	
sodium N-(2-carboxyethyl)-N-(2-ethylhexyl)-β-alaninate	CAS No.: 94441-92-6 EC No.: 305-318-6 REACH: 2119974109-30-xxxx Index No.:	1-3%		

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

#### Other information

-

### 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

If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. 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 from 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

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:

Some metal oxides

#### 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 72 85 20 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.  
 Ensure adequate ventilation, especially in confined areas.  
 Contaminated areas may be slippery.

#### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.  
 Keep unauthorized persons away from the spill

#### 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

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.

##### Recommended storage material

Keep only in original packaging.

##### ▼ Storage temperature

0 - 40°C

##### 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

sodium 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

Annotations:

L = The limit is a ceiling value that at no time may be exceeded.

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 202 on exposure limits for substances and mixtures (21/02/2023)

#### DNEL

No data available.

#### PNEC

No data available.

#### 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.

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

▼ **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.

Ensure that eyewash stations and safety showers are located within easy reach.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

**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**

In the event the work process is within scope of the Danish statutory order on work with code numbered products (Work Inspectorate Order no. 302/1993), then personal protection equipment shall be selected as set out herein. If applicable, please refer to the code number of this product in section 15.


Use only CE marked protective equipment.

**Respiratory Equipment**

Type	Class	Colour	Standards
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
Nitrile	0,38	> 480	EN374-2, EN374-3, EN388
Neoprene (Neoprene)	0.38	> 60	EN374-2, EN374-3, EN388
Butyl	0.3	> 60	EN374-2, EN374-3, EN388

**Eye protection**

Type	Standards
In the likelihood of direct or incidental exposure, use face protection.	EN166
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

Characteristic

#### pH

14

#### pH in solution

11,6 (0,5%)

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

1.3

#### 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)

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

##### 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.

##### ▼ Oxidizing properties

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

### 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

None known.

#### 10.4. Conditions to avoid

None known.

#### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

#### 10.6. ▼ Hazardous decomposition products

Thermal decomposition may produce corrosive vapours.

## SECTION 11: Toxicological information

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

#### ▼ Acute toxicity

Product/substance	sodium hydroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	1,350 mg/kg ·

Product/substance	sodium hydroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	140-340 mg/kg ·

Product/substance	Potassium hydroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	365 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	sodium hydroxide
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	35 - 189 mg/l ·

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

Product/substance	sodium hydroxide
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	40,4 mg/l ·

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 ·

## 12.2. Persistence and degradability

No data available.

## 12.3. ▼ Bioaccumulative potential

Product/substance	sodium hydroxide
Test method:	
Potential bioaccumulation:	No
LogPow:	-3,8800
BCF:	0
Other information:	

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

## 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

Not applicable.

## 12.7. Other adverse effects

None known.

# SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.  
 HP 8 – Corrosive  
 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




### Contaminated packing

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

# SECTION 14: Transport information



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

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es) Label: 8 Classification code: C5	14.4 PG*	14.5 Env**	Other information:
ADR	UN3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium hydroxide, Potassium hydroxide)	Transport hazard class: 8 Label: 8 Classification code: C5 	II	No	Limited quantities: 1 L Tunnel restriction code: (E) See below for additional information.
IMDG	UN3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium hydroxide, Potassium hydroxide)	Transport hazard class: 8 Label: 8 Classification code: C5 	II	No	Limited quantities: 1 L EmS: F-A S-B See below for additional information.
IATA	UN3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium hydroxide, Potassium hydroxide)	Transport hazard class: 8 Label: 8 Classification code: C5 	II	No	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

Not applicable.

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

< 5%

· Amphoteric surfactants

· Non-ionic surfactants

· Phosphonates

#### Product registration number

PR Nr 2293434

#### Additional information

Code number (1993): 00-4.

#### Sources

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

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.  
 Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.  
 Arbejdstilsynets bekendtgørelse nr. 301 af 13. maj 1993 om fastsættelse af kodenumre med senere ændringer.  
 1993 Hazardous Substances Law  
 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

H290, May be corrosive to metals.  
 H302, Harmful if swallowed.  
 H314, Causes severe skin burns and eye damage.  
 H315, Causes skin irritation.  
 H319, Causes serious eye irritation.

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

LCS "PW" = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)  
 PROC 1 = Anvendelse i lukket proces, ingen sandsynlighed for eksponering.  
 PC 35 = Washing and Cleaning Products (including solvent based products)  
 ERC 9a = Wide dispersive indoor use of substances in closed 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 (European conformity)  
 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  
 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 safety data sheet is validated by**

LEJ

**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