

SAFETY DATA SHEET

Alucip CI

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

1.1. Product identifier

Trade name

Alucip CI

Unique formula identifier (UFI)

N3A0-40TP-SUPS-35XP

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.)

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)
Process category	Description
PROC 1	Use in closed PROC ess, no likelihood of exposure
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

9/29/2023

SDS Version

2.0

Date of previous version

2/16/2023 (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.

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)

Causes severe skin burns and eye damage. (H314)

Very toxic to aquatic life with long lasting effects. (H410)

Precautionary statement(s)

General

-

Prevention

Do not breathe vapour/mist. (P260)

Avoid release to the environment. (P273)

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

-

▼ Disposal

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

Hazardous substances

sodium hydroxide

Sodium metasilicate pentahydrate

Potassium hydroxide

sodium hypochlorite, solution % Cl active

Additional labelling

UFI: N3A0-40TP-SUPS-35XP

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	5-10%	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 %)	
Sodium metasilicate pentahydrate	CAS No.: 10213-79-3 EC No.: 600-279-4 REACH: 01-2119449811-39-xxxx Index No.:	5-10%	Met. Corr. 1, H290 Skin Corr. 1B, H314 STOT SE 3, H335	
Potassium hydroxide	CAS No.: 1310-58-3 EC No.: 215-181-3 REACH: 01-2119487136-33xxxx Index No.: 019-002-00-8	3-5%	Met. Corr. 1, H290 Acute Tox. 4, H302 Skin Corr. 1A, H314	
sodium hypochlorite, solution % Cl active	CAS No.: 7681-52-9 EC No.: 231-668-3	3-5%	EUH031 Met. Corr. 1, H290	

REACH: 01-2119488154-34-xxxx
Index No.: 017-011-00-1

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

-

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:

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 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. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up

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.

Recommended storage material

Keep only in original packaging.

▼ Storage temperature

0 - 40°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

sodium hydroxide

Long term exposure limit (8 hours) (mg/m³): 2

Short term exposure limit (15 minutes) (mg/m³): 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/m³): 2

Short term exposure limit (15 minutes) (mg/m³): 2

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

DNEL

sodium hypochlorite, solution % Cl active

Duration:

Route of exposure:

DNEL:

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

Long term – Local effects - Workers	Inhalation	1,4 mg/m ³
Short term – Local effects - Workers	Inhalation	3 mg/m ³

Sodium metasilicate pentahydrate

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	0,74 mg/kg
Long term – Systemic effects - Workers	Dermal	1,49 mg/kg
Long term – Systemic effects - General population	Inhalation	1,55 mg/m ³
Long term – Systemic effects - Workers	Inhalation	6,22 mg/m ³
Long term – Systemic effects - General population	Oral	0,74 mg/kg

PNEC

sodium hypochlorite, solution % Cl active

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

Sodium metasilicate pentahydrate

Route of exposure:	Duration of Exposure:	PNEC:
Marine water	Continuous	1 mg/l
Sewage treatment plant	Continuous	1000 mg/l
Water	Continuous	7,5 mg/l
Water	Single	7,5 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.

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

Use only CE marked protective equipment.





Respiratory Equipment

Type	Class	Colour	Standards
No special when used as intended.			

▼ Skin protection

Work situation	Recommended	Type/Category	Standards
No special when used as	-	-	-

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

Work situation	Recommended	Type/Category	Standards	
	intended.			
When there is risk of splash- / intermittent exposure	Dedicated work clothing should be worn.	-	-	
Hand protection				
Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Neoprene (Neoprene)	0.6	> 120	EN374-2, EN374-3, EN388	
Nitrile	0.38	> 60	EN374-2, EN374-3, EN388	
Eye protection				
Work situation	Type	Standards		
When there is risk of splash- / intermittent exposure	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

14,0

Density (g/cm³)

1.25

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

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.

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	Sodium metasilicate pentahydrate
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1152-1349 mg/kg ·

Product/substance	Sodium metasilicate pentahydrate
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50

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

Result: >2,06 g/m³ ·

Product/substance Sodium metasilicate pentahydrate
 Species: Rat
 Route of exposure: Dermal
 Test: LD50
 Result: >5000 mg/kg ·

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

This mixture/product does not contain any substances considered to have hormone-disrupting properties in relation to health.

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 ·

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

Product/substance Sodium metasilicate pentahydrate
 Species: Fish
 Duration: 96 hours
 Test: LC50
 Result: 210 mg/l ·

Product/substance Sodium metasilicate pentahydrate
 Species: Daphnia
 Duration: 48 hours
 Test: EC50
 Result: 1700 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 ·

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 ·

Harmful to aquatic life with long lasting effects.

12.2. ▼ Persistence and degradability

Product/substance Sodium metasilicate pentahydrate
 Biodegradable: Yes
 Test method:
 Result:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in

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

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.

12.3. Bioaccumulative potential

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

Product/substance Sodium metasilicate pentahydrate
 Test method:
 Potential bioaccumulation: No
 LogPow: No data available.
 BCF: No data available.
 Other information:

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

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

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

13.1. 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

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	3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)	Transport hazard class: 8 Label: 8 Classification code: C5 	III	Yes	Limited quantities: 5 L Tunnel restriction code: 3 (E) See below for additional information.
IMDG	3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)	Transport hazard class: 8 Label: 8 Classification code: C5 	III	Yes	Limited quantities: 5 L EmS: F-A S-B See below for additional information.
IATA	3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)	Transport hazard class: 8 Label: 8 Classification code: C5 	III	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

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

< 5%

· Chlorine-based bleaching Agents

· Phosphonates

▼ Product registration number

4509673

Additional information

Not applicable.

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.
 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.
 H315, Causes skin irritation.
 H318, Causes serious eye damage.
 H319, Causes serious eye irritation.
 H335, May cause respiratory irritation.
 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)
 PROC 1 = Use in closed PROC ess, no likelihood of exposure
 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
 EuPCS = European Product Categorisation System
 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

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

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

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