SAFETY DATA SHEET

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

1.1. Product identifier

Trade name
Alka 13
Product no.
-
REACH registration number
Not applicable
Unique formula identifier (UFI)
-

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

Relevant identified uses of the substance or mixture
Chemicals for industrial purposes
Washing and Cleaning Products (including solvent based products) (PC35)
Non industrial spraying (PROC 11)
Roller application or brushing (PROC 10)
Professional uses: Public domain (administration, education, entertainment, services, craftsmen) (SU 22)
Wide dispersive indoor use of processing aids in open systems (ERC8a)
Uses advised against
-
The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address
NCÅ-Verodan A/S
Industriparken 5
DK-9560 Hadsund
+45 70 27 16 30
www.ncaa.dk
Contact person

E-mail
mail@ncaa.dk
SDS date
2019-09-12
SDS Version
1.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Corr. 1A; H314
See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)

Signal word

Danger

Hazard statement(s)

Causes severe skin burns and eye damage. (H314)

Precautionary statements

General	-
Prevention	Do not breathe mist/vapours/fume/spray. (P260). Wash hands thoroughly after handling. (P264). Wear eye protection/protective clothing/protective gloves. (P280).
Response	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. (P303+P361+P353). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338).
Storage	-
Disposal	Dispose of contents/container to an approved waste disposal plant. (P501).

Identity of the substances primarily responsible for the major health hazards

Potassium hydroxide

2.3. Other hazards

Not applicable

Additional labelling

Not applicable

Additional warnings

Not applicable

VOC (volatile organic compound)

Not applicable

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

NAME:	2-(2-butoxyethoxy)ethanol
IDENTIFICATION NOS.:	CAS-no: 112-34-5 EC-no: 203-961-6 REACH-no: 01-2119475104-44-0000 Index-no: 603-096-00-8
CONTENT:	5 - <10%
CLP CLASSIFICATION:	Eye Irrit. 2 H319
NOTE:	L

NAME:	Alkylpolyglucoside
IDENTIFICATION NOS.:	CAS-no: 68515-73-1 EC-no: 500-220-1 REACH-no: 01-2119488530-36
CONTENT:	2.5 - <5%
CLP CLASSIFICATION:	Eye Dam. 1 H318

NAME:	tetrasodium ethylene diamine tetraacetate
IDENTIFICATION NOS.:	CAS-no: 64-02-8 EC-no: 200-573-9 REACH-no: 01-2119486762-27 Index-no: 607-428-00-2
CONTENT:	1 - <2.5%
CLP CLASSIFICATION:	Acute Tox. 4, STOT RE 2, Eye Dam. 1 H302, H318, H332, H373

NAME:	Potassium hydroxide
IDENTIFICATION NOS.:	CAS-no: 1310-58-3 EC-no: 215-181-3 REACH-no: 01-2119487136-33-0007 Index-no: 019-002-00-8
CONTENT:	1 - <2.5%
CLP CLASSIFICATION:	Acute Tox. 4, Skin. Corr. 1A H302, H314

NAME:	Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
IDENTIFICATION NOS.:	CAS-no: 68891-38-3 EC-no: 500-234-8 REACH-no: 01-2119488639-16
2119488639-16	
CONTENT:	1 - <2.5%
CLP CLASSIFICATION:	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3 H315, H318, H412

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

Other information

ATEmix(inhale, vapour) > 20
ATEmix(oral) > 2000
N chronic (CAT 4) Sum = Sum(Ci/(M(chronic)i*25)*0.1*10^CAT4) = 0,0432 - 0,0648

Detergent:
> 30%: AQUA
5 - 15%: BUTOXYDIGLYCOL
< 5%: NON-IONIC SURFACTANTS, EDTA AND SALTS THEREOF, POTASSIUM HYDROXIDE, ANIONIC SURFACTANTS

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Bring the person into fresh air and stay with him/her.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing.

Ingestion

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

Burns

Not applicable

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

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

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

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Some metal oxides. Fire will result in dense black smoke. Exposure to combustion

products may harm your health. Fire fighters should wear appropriate protection equipment. 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.

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. Avoid inhalation of vapours from spilled material.

6.2. Environmental precautions

No specific requirements.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section on “Disposal considerations” in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature

No data available.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL

Potassium hydroxide
Long-term exposure limit (8-hour TWA reference period): - ppm | - mg/m³
Short-term exposure limit (15-minute reference period): - ppm | 2 mg/m³

2-(2-butoxyethoxy)ethanol
Long-term exposure limit (8-hour TWA reference period): 10 ppm | 67.5 mg/m³
Short-term exposure limit (15-minute reference period): 15 ppm | 101.2 mg/m³

DNEL / PNEC

PNEC (Alkylpolyglucoside): > 100 mg/l
Exposure: Activated Sludge Plant
Remarks: ECO 6 h

PNEC (Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts): >100 mg/l
Exposure: Activated Sludge Plant
Remarks: EC0, OECD 209

8.2. Exposure controls

Compliance with the accepted occupational exposure limits values should be controlled on a regular basis.

General recommendations

Observe general occupational hygiene standards.

Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -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 containment materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

No specific requirements.

Skin protection

Dedicated work clothing should be worn. Wear a protective suit in the event of prolonged periods of work with the product.

Hand protection

Neoprene
Material thickness: 0,38 mm.
Breakthrough time: > 60 minutes (Class 3)

Eye protection

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	Tan
Odour	Characteristic
Odour threshold (ppm)	No data available.
pH	13
Viscosity (40°C)	No data available.
Density (g/cm³)	1,08
Phase changes	
Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.
Data on fire and explosion hazards	
Flash point (°C)	No data available.
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	No data available.
Solubility	
Solubility in water	Soluble

n-octanol/water coefficient	No data available.

9.2. Other information

Solubility in fat (g/L)	No data available.
ca. 11	pH i 1% opløsning

SECTION 10: Stability and reactivity

10.1. Reactivity
No data available

10.2. Chemical stability
The product is stable under the conditions, noted in the section “Handling and storage”.

10.3. Possibility of hazardous reactions
Nothing special

10.4. Conditions to avoid
Nothing 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 toxicological effects

Acute toxicity
Substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
Species: Rat
Test: LD50
Route of exposure: Oral
Result: >5000 mg/l

Substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
Species: Rat
Test: LD50
Route of exposure: Dermal
Result: >5000 mg/l

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

Substance: tetrasodium ethylene diamine tetraacetate
Species: Rat
Test: LD50
Route of exposure: Oral
Result: > 2000 mg/kg

Substance: tetrasodium ethylene diamine tetraacetate
Species: Rat
Test: LC50
Route of exposure: Inhalation
Result: 1000-5000 mg/m3

Substance: Alkylpolyglucoside
Species: Rat
Test: LD50
Route of exposure: Oral
Result: > 5000 mg/kg

Skin corrosion/irritation
Causes severe skin burns and eye damage.

Data on substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
Test: OECD Guideline 404
Organism: Rabbit
Result: Irritation

Serious eye damage/irritation

Causes serious eye damage.

Data on substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
Test: OECD Guideline 404
Organism: Rabbit
Result: Irritation

Respiratory or skin sensitisation

No data available. Data on substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
Organism: Mouse
Result: No sensitisation

Germ cell mutagenicity

Data on substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
No adverse effect observed.

Data on substance: Potassium hydroxide
No adverse effect observed.

Data on substance: tetrasodium ethylene diamine tetraacetate
No adverse effect observed.

Data on substance: Alkylpolyglucoside
No adverse effect observed.

Data on substance: 2-(2-butoxyethoxy)ethanol
No adverse effect observed.

Carcinogenicity

Data on substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
No adverse effect observed.

Data on substance: Potassium hydroxide
No adverse effect observed.

Data on substance: tetrasodium ethylene diamine tetraacetate
No adverse effect observed.

Data on substance: Alkylpolyglucoside
No adverse effect observed.

Data on substance: 2-(2-butoxyethoxy)ethanol
No adverse effect observed.

Reproductive toxicity

Data on substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
No adverse effect observed.

Data on substance: Potassium hydroxide
No adverse effect observed.

Data on substance: tetrasodium ethylene diamine tetraacetate
No adverse effect observed.

Data on substance: Alkylpolyglucoside
No adverse effect observed.

Data on substance: 2-(2-butoxyethoxy)ethanol
No adverse effect observed.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

Data on substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
No adverse effect observed.

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.

SECTION 12: Ecological information

12.1. Toxicity

Substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
Species: Fish
Test: LC50
Duration: 96 h
Result: 10-100 mg/l

Substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
Species: Daphnia
Test: EC50
Duration: 48 h
Result: 10-100 mg/l

Substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
Species: Algae
Test: EC50
Duration: 72 h
Result: >100 mg/l

Substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
Species: Fish
Test: NOEC
Duration:
Result: 1-10 mg/l

Substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
Species: Daphnia
Test: NOEC
Duration:
Result: 0,1-1 mg/l

Substance: Potassium hydroxide
Species: Fish
Test: LC50
Duration: 48 h
Result: 125 mg/l

Substance: Potassium hydroxide
Species: Daphnia
Test: EC50
Duration: 96 h
Result: 40-240 mg/l

Substance: tetrasodium ethylene diamine tetraacetate
Species: Fish
Test: LC50
Duration: 96 h
Result: > 100 mg/l

Substance: tetrasodium ethylene diamine tetraacetate
Species: Crustacean
Test: EC50
Duration: 48 h
Result: > 100 mg/l

Substance: tetrasodium ethylene diamine tetraacetate
Species: Algae
Test: EC50
Duration: 72 h
Result: > 100 mg/l

Substance: Alkylpolyglucoside
Species: Fish
Test: LC50
Duration: 96 h
Result: > 100 mg/l

Substance: Alkylpolyglucoside
Species: Daphnia
Test: EC50
Duration: 48 h
Result: > 100 mg/l

Substance: Alkylpolyglucoside
Species: Algae
Test: EC50
Duration:
Result: > 10 - < 100 mg/l

Substance: 2-(2-butoxyethoxy)ethanol
Species: Fish
Test: LC50
Duration: 96 h
Result: 2500 mg/l

Substance: 2-(2-butoxyethoxy)ethanol
Species: Daphnia
Test: EC50
Duration: 48 h
Result: 1000 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Alcohols,C12-14,even,numbered,...	Yes	Closed Bottle Test	>60%
Alkylpolyglucoside	Yes	No data available	No data available
2-(2-butoxyethoxy)ethanol	Yes	Modified OECD Screening Test	>70%

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
Alcohols,C12-14,even,numbered,...	No	0,3	No data available
Potassium hydroxide	No	-3,88	No data available
tetrasodium ethylene diamine ...	No	-13	No data available
Alkylpolyglucoside	No	No data available	No data available
2-(2-butoxyethoxy)ethanol	No	0,56	No data available

12.4. Mobility in soil

Alcohols,C12-14,even,numbered,...: Log Koc= 0,31597, Calculated from LogPow (High mobility potential.).
Potassium hydroxide: Log Koc= -2,994172, Calculated from LogPow (High mobility potential.).
tetrasodium ethylene diamine ...: Log Koc= -10,2163, Calculated from LogPow (High mobility potential.).
2-(2-butoxyethoxy)ethanol: Log Koc= 0,521864, Calculated from LogPow (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. Other adverse effects

This product contains substances, which due to poor biodegradability, 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.

Waste

EWC code

20 01 15 alkalines

Specific labelling

Not applicable

Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

SECTION 14: Transport information

14.1 – 14.4

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

ADR/RID

14.1. UN number	3266
14.2. UN proper shipping name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. POTASSIUMHYDROXIDE SOLUTION
14.3. Transport hazard class(es)	8
14.4. Packing group	I
Notes	-
Tunnel restriction code	-

IMDG

UN-no.	3266
Proper Shipping Name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUMHYDROXIDE SOLUTION)
Class	8
PG*	I
EmS	F-A, S-B
MP**	No
Hazardous constituent	-

IATA/ICAO

UN-no.	3266
Proper Shipping Name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUMHYDROXIDE SOLUTION)
Class	8
PG*	I

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

(*) Packing group
(**) Marine pollutant

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Demands for specific education

-

Additional information

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Seveso

-

Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.
The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.
Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on

detergents.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).
Regulation (EC) 1907/2006 (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H373 - May cause damage to organs through prolonged or repeated exposure¤.
H412 - Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

PC35 = Washing and Cleaning Products (including solvent based products)
PROC 11 = Non industrial spraying
PROC 10 = Roller application or brushing
SU 22 = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
ERC8a = Wide dispersive indoor use of processing aids in open systems

Additional label elements

Not applicable

Other

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

The classification of the mixture in regard of skin corrosion and serious eye damage is based on the pH-criterion given by Regulation (EC) No. 1272/2008 (CLP)It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The safety data sheet is validated by

AJA

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

-

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

-