

SAFETY DATA SHEET

RV krafthreinsir sótthreinsandi

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

1.1. Product identifier

▼Trade name

RV krafthreinsir sótthreinsandi Unique formula identifier (UFI) 0200-U0CW-500F-QY0N

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-P806 / Foam cleaner. Semi-Automatic with venting process.

AISE-P807 / Foam cleaner. Semi-Automatic without venting 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)
Environmental release category	Description

ERC 8a

Wide dispersive indoor use of processing aids in open systems

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

Rekstravörur Réttarhálsi 2 IS-110 Reykjavík Iceland Tel.: +354 520 6666 Fax: +354 520 6665 www.rv.is E-mail sala@rv.is Revision 11/08/2023 SDS Version 40 Date of previous version 02/08/2023 (3.0)

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. 1B; 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 sodium hypochlorite, solution % Cl active dodecyldimethylaminoxid Additional labelling UFI: 0200-U0CW-500F-QY0N 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. 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 3-5% Skin Corr. 1B, H314 (SCL: 2.00 %) EC No.: 215-185-5 Skin Corr. 1A, H314 UK-REACH: Skin Irrit. 2, H315 (SCL: 0.50 %) Index No.: 011-002-00-6 Eye Irrit. 2, H319 (SCL: 0.50 %)

1-3%

EUH031

Met. Corr. 1, H290

% Cl active

sodium hypochlorite, solution CAS No.: 7681-52-9

EC No.: 231-668-3



	UK-REACH: Index No.: 017-011-00-1		Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 2, H411		
dodecyldimethylaminoxid	CAS No.: 68955-55-5 EC No.: 273-281-2 UK-REACH: Index No.:	1-3%	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=1)	[19]	

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

Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials Labelling of contents according to Detergents Regulation (EC) No 648/2004

- < 5%
- · Chlorine-based bleaching Agents
- · Non-ionic surfactants
- · Phosphonates

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 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. 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

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

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002. EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

Duration:Route of exposure:DNEL:Long term - Local effects - WorkersInhalation1,4 mg/m³Short term - Local effects - WorkersInhalation3 mg/m³dodecyldimethylaminoxidVerticeVerticeDuration:Route of exposure:DNEL:	sodium hypochlorite, solution % Cl active		
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8.2. Exposure controls

Soil

Sewage treatment plant

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 24 mg/L

1.02 mg/kg



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.

8.3. Individual protection measures, such as personal protective equipment

Generally

Use only UKCA marked protective equipment.

Respiratory Equipment

Туре	Class	Colour	Standards	
No special when use as intended.	d			
Skin protection				
Recommended	Type/Category	Standards	i	
Dedicated work clothing should be worn.	-	-		R
Hand protection				
Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	0,38	> 240	EN374-2, EN374-3, EN388	Mn

Eye protection

Туре	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

Form Liquid Colour Clear Odour Characteristic Odour threshold (ppm) Testing not relevant or not possible due to the nature of the product. pH 12,8 Density (g/cm³)



1.1
Viscosity Testing not relevant or not possible due to the nature of the product.
Phase changes
Melting point (°C)
Testing not relevant or not possible due to the nature of the product.
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.
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.
Evaporation rate (n-butylacetate = 100)
Data on fire and explosion hazards
Flash point (°C) Testing not relevant or not possible due to the nature of the product.
Ignition (°C)
Testing not relevant or not possible due to the nature of the product.
Auto flammability (°C) Testing not relevant or not possible due to the nature of the product.
Explosion limits ($\%$ v/v)
Testing not relevant or not possible due to the nature of the product.
Explosive properties
Testing not relevant or not possible due to the nature of the product. Oxidizing properties
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
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 ass

Contact with acids liberates toxic gas.

10.4. Conditions to avoid

Protect from sunlight. Do no 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 toxic Acute toxicity	cological effects
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 hypochlorite, solution % Cl active
Species: Route of exposure:	Rat Oral
Test:	LD50
Result:	1100 mg/kg ·
Product/substance Species:	sodium hypochlorite, solution % Cl active Rat
Route of exposure:	Dermal
Test:	LD50
Result:	> 2000 mg/kg ·
Product/substance	sodium hypochlorite, solution % Cl active
Species: Route of exposure:	Rat Inhalation
Test:	LC50
Result:	> 10500 mg/kg ·
Product/substance	dodecyldimethylaminoxid
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	3600 mg/kg ·
Skin corrosion/irritation Causes severe skin bur	
Serious eye damage/irrita Causes serious eye dar	tion nage.
Respiratory sensitisation	a, the classification criteria are not met.
Skin sensitisation	a, the classification criteria are not met.
Germ cell mutagenicity	
Based on available data	a, the classification criteria are not met.
Carcinogenicity Based on available data	a, the classification criteria are not met.
Reproductive toxicity	
	a, the classification criteria are not met.
STOT-single exposure	
	a, 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.

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.

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 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 ·
Product/substance	dodecyldimethylaminoxid
Species:	Algae
Duration:	72 hours
Test:	LC50
Result:	0,86 mg/kg ·
Product/substance	dodecyldimethylaminoxid
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	1-10 mg/l ·
Product/substance	dodecyldimethylaminoxid
Species:	Daphnia
Duration:	48 hours
Test:	EC50



Result:	1-10 mg/ ·
12.2. Persistence and degr	adability
Product/substance	dodecyldimethylaminoxid
Biodegradable:	Yes
Test method:	OECD 301 D
Result:	83,5%
12.3. Bioaccumulative pote	ential
Product/substance	sodium hydroxide
Test method:	
Potential bioaccumulation	: No
LogPow:	-3,8800
BCF:	0
Other information:	
Product/substance Test method: Potential bioaccumulation	
LogPow:	-3,4200
BCF:	No data available.
Other information:	
Product/substance Test method: Potential bioaccumulation	
LogPow:	2,7000
BCF:	No data available.
Other information:	
vPvB. 12.6. Other adverse effects This product contains su organisms.	nobility potential. PvB assessment pes not contain any substances considered to meet the criteria classifying them as PBT and/o
SECTION 13: Disposal con	siderations
HP 8 – Corrosive	ne regulations on hazardous waste.
	ntainer to an approved waste disposal plant. 7/2014 of 18 December 2014 on waste as retained and amended in UK law.
20 01 15* Alkalines 16 09 04* Oxidising Specific labelling	s g substances, not otherwise specified
Contaminated packing	
	esidues of the product must be disposed of similarly to the product.

SECTION 14: Transport information



	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	UN3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium hydroxide, sodium hypochlorite, solution % Cl active)	Transport hazard class: 8 Label: 8 Classification code: C5	III	No	Limited quantities: 5 Tunnel restriction code: (E) See below for additional information.
IMDG	-	-	-	-	-	-
ATA	_	-	-	_	-	_

** 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.

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

14.6. Special precautions for user

Not applicable.

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

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 as retained and amended in UK law. 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.

Sources

The Management of Health and Safety at Work Regulations 1999.

Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

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. H314, Causes severe skin burns and eye damage. H315. Causes skin irritation. H318, Causes serious eye damage. H319, Causes serious eye 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) PC 35 = Washing and Cleaning Products (including solvent based products) ERC 8a = Wide dispersive indoor use of processing aids in open 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 substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law. The safety data sheet is validated by Victoria 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: GB-en