SAFETY DATA SHEET

Extrarens

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

1.1. Product identifier

Trade name
Extrarens

Product no.
202

Unique formula identifier (UFI)
ECXS-V1GF-U00T-J5F2

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

Relevant identified uses of the substance or mixture
Alkaline cleaner.

Use descriptors (UK REACH)

Sectors of use	**Description**
LCS "C"	Consumer uses: Private households (= general public = consumers)
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 28	Manual maintenance (cleaning and repair) of machinery
PROC 19	Hand-mixing with intimate contact and only PPE available
PROC 8a	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities
Environmental release category	**Description**
ERC 8a	Wide dispersive indoor use of processing aids in open systems
ERC 8d	Wide dispersive outdoor 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
Jysk Kemi Service A/S
Gl. Struervej 50
7500 Holstebro
Denmark
+45 9740 3133
+45 9740 4846
www.jyskkemi.dk

Contact person
Rikke Hunskjær

E-mail
rikke@jyskkemi.dk

Revision
29/02/2024

SDS Version
4.0

Date of previous version
08/12/2022 (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

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.1. Classification of the substance or mixture
Skin Corr. 1; H314, Causes severe skin burns and 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
If medical advice is needed, have product container or label at hand. (P101)

Prevention
Wear eye protection/face protection/protective gloves. (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
disodium metasilicate
hexyl D-glucoside
2-Propylheptanol ethoxylate

Additional labelling
UFI: ECXS-V1GF-U00T-J5F2

▼Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law
5% - 15%
· Non-ionic surfactants
< 5%
· Phosphates

2.3. Other hazards
▼Additional warnings
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. 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
disodium metasilicate	CAS No.: 10213-79-3 EC No.: 600-279-4 UK-REACH:	3-5%	Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335	

	Index No.:		
2-Propylheptanol ethoxylate	CAS No.: 160875-66-1 EC No.: 605-233-7 UK-REACH: Index No.:	3-5%	Acute Tox. 4, H302 Eye Dam. 1, H318
hexyl D-glucoside	CAS No.: 54549-24-5 EC No.: 259-217-6 UK-REACH: Index No.:	3-5%	Eye Dam. 1, H318
2-Propylheptanol ethoxylate	CAS No.: 160875-66-1 EC No.: 605-233-7 UK-REACH: Index No.:	3-5%	Acute Tox. 4, H302 Eye Dam. 1, H318
tetrapotassium pyrophosphate	CAS No.: 7320-34-5 EC No.: 230-785-7 UK-REACH: Index No.:	1-3%	Eye Irrit. 2, H319

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.
Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

▼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 National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.
Hazchem Code: None

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.
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°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

No substances are listed in the national list of substances with an occupational exposure limit.

▼DNEL

disodium metasilicate

Duration:	Route of exposure:	DNEL:
Long term	Dermal	1,49 mg/kg uge/dag
Long term	Inhalation	6,22 mg/m3

hexyl D-glucoside

Duration:	Route of exposure:	DNEL:
Long term	Dermal	595 mg/kg
Long term – Systemic effects - General population	Dermal	357000 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	595000 mg/kg bw/day
Long term	Inhalation	420 mg/m3
Long term – Systemic effects - General population	Inhalation	124 mg/m³
Long term – Systemic effects - Workers	Inhalation	420 mg/m³
Long term – Systemic effects - General population	Oral	35.7 mg/kg bw/day

▼PNEC

hexyl D-glucoside

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		176 µg/L
Freshwater sediment		722 µg/kg
Intermittent release (freshwater)		4.2 mg/L
Marine water		17.6 µg/L
Marine water sediment		72.2 µg/kg
Predators		111.11 mg/kg
Sewage treatment plant		100 mg/L
Soil		0,654 mg/kg
Soil		654 µg/kg

8.2. ▼Exposure controls

Apply general control to prevent unnecessary exposure

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

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures

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. Pay special attention to 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

Wash contaminated clothing before reuse.
Use only UKCA marked protective equipment.

Respiratory Equipment

No specific requirements

Skin protection

Recommended	Type/Category	Standards
No special when used as intended	-	-

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	0.22500000000000001	> 480	EN374-2, EN374-3, EN388

Eye protection

Type	Standards

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state
Liquid

Colour
Pale yellow

Odour / Odour threshold
Faint

pH
12,9

Density (g/cm^3)
1.06

Kinematic viscosity
No data available

Particle characteristics
Not applicable - product is a liquid

Phase changes

Melting point/Freezing point (°C)
Not applicable - product is a liquid

Softening point/range (waxes and pastes) (°C)
Does not apply to liquids.

Boiling point (°C)
100

Vapour pressure
No data available

Relative vapour density
No data available

Decomposition temperature (°C)
Not applicable

Data on fire and explosion hazards

Flash point (°C)
Not applicable - flash point > 200°C

Flammability (°C)
Not applicable - flash point > 200°C

Auto-ignition temperature (°C)
Not applicable - flash point > 200°C

Lower and upper explosion limit (% v/v)
Not applicable

Solubility

Solubility in water
Completely soluble

n-octanol/water coefficient (LogKow)
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

Evaporation rate (n-butylacetate = 100)
No data available

▼Oxidizing properties
Not applicable

Other physical and chemical parameters
No data available.

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 as retained and amended in UK law

▼Acute toxicity

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

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

Product/substance	2-Propylheptanol ethoxylate
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	300-2000 mg/kg ·

Product/substance	hexyl D-glucoside
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	hexyl D-glucoside
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	2-Propylheptanol ethoxylate
Route of exposure:	Inhalation

Test: LC50
Result: > 20,1 mg/l ·

Product/substance: 2-Propylheptanol ethoxylate
Species: Rat
Route of exposure: Oral
Test: LD50
Result: > 2000 mg/kg

Product/substance: tetrapotassium pyrophosphate
Species: Rat
Route of exposure: Oral
Test: LD50
Result: > 2000 mg/kg ·

▼Skin corrosion/irritation

Product/substance: disodium metasilicate
Test method: OECD 404
Species: Rabbit
Result: Adverse effect observed (Corrosive)

Product/substance: 2-Propylheptanol ethoxylate
Result: No adverse effect observed (Not irritating)

Product/substance: hexyl D-glucoside
Result: No adverse effect observed (Not irritating)

Causes severe skin burns and eye damage.

▼Serious eye damage/irritation

Product/substance: disodium metasilicate
Species: Rabbit
Result: Adverse effect observed (Corrosive)

Product/substance: 2-Propylheptanol ethoxylate
Result: Adverse effect observed (Causes serious eye damage)

Product/substance: hexyl D-glucoside
Result: Adverse effect observed (Causes serious eye damage)

Causes serious eye damage.

▼Respiratory sensitisation

Product/substance: hexyl D-glucoside
Test method: OECD 406
Species: Guinea pig
Result: No adverse effect observed (not sensitising)

▼Skin sensitisation

Product/substance: disodium metasilicate
Test method: OECD 429
Species: Mouse
Result: No adverse effect observed (not sensitising)

Product/substance: 2-Propylheptanol ethoxylate
Result: No adverse effect observed (not sensitising)

▼Germ cell mutagenicity

Product/substance: disodium metasilicate
Conclusion: No adverse effect observed

Product/substance: hexyl D-glucoside
Species: Mouse
Conclusion: No adverse effect observed

▼Carcinogenicity

Product/substance: disodium metasilicate

Conclusion: No adverse effect observed

▼Reproductive toxicity
Product/substance: disodium metasilicate
Species: Rat, Sprague-Dawley, female
Result: >159 mg/kg bw/day
Conclusion: No adverse effect observed

▼STOT-single exposure
Product/substance: disodium metasilicate
Route of exposure: Inhalation
Conclusion: Adverse effect observed

▼STOT-repeated exposure
Product/substance: disodium metasilicate
Conclusion: No adverse effect observed

Product/substance: 2-Propylheptanol ethoxylate
Result: 50-700 mg/kg

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
Product/substance: 2-Propylheptanol ethoxylate
Conclusion: No adverse effect observed

Other information
None known.

SECTION 12: Ecological information

12.1. ▼Toxicity
Product/substance: disodium metasilicate
Species: Fish, Danio rerio
Duration: 96 hours
Test: LC50
Result: 210 mg/L

Product/substance: disodium metasilicate
Test method: OECD 202
Species: Daphnia, Daphnia magna
Duration: 48 hours
Test: EC50
Result: 1700 mg/L

Product/substance: disodium metasilicate
Test method: DIN 38412
Species: Algae, Scenedesmus subspicatus
Duration: 72 hours
Test: EC50
Result: > 345,4 mg/L

Product/substance: 2-Propylheptanol ethoxylate
Species: Fish, Oncorhynchus mykiss
Duration: 96 hours
Test: LC50
Result: 10-100 mg/L

Product/substance: 2-Propylheptanol ethoxylate
Species: Daphnia

Duration:	48 hours
Test:	EC50
Result:	10-100 mg/l ·

Product/substance	2-Propylheptanol ethoxylate
Species:	Algae, Scenedesmus subspicatus
Duration:	72 hours
Result:	10-100 mg/L

Product/substance	hexyl D-glucoside
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	hexyl D-glucoside
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	hexyl D-glucoside
Species:	Algae, Scenedesmus quadricauda
Duration:	72 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	hexyl D-glucoside
Species:	Algae
Duration:	72 hours
Test:	NOEC
Result:	>100 mg/L

Product/substance	hexyl D-glucoside
Species:	Daphnia
Test:	NOEC
Result:	1-10 mg/L

Product/substance	2-Propylheptanol ethoxylate
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	1-10 mg/L

Product/substance	2-Propylheptanol ethoxylate
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	1-10 mg/L

Product/substance	2-Propylheptanol ethoxylate
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	10-100 mg/L

Product/substance	tetrapotassium pyrophosphate
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	> 100 mg/l ·

Product/substance	tetrapotassium pyrophosphate
Species:	Daphnia

Duration:	48 hours
Test:	LC50
Result:	> 100 mg/l ·

12.2. ▼Persistence and degradability

Product/substance	2-Propylheptanol ethoxylate
Conclusion:	Readily biodegradable
Test:	OECD 301 D

Product/substance	hexyl D-glucoside
Conclusion:	Readily biodegradable
Test:	OECD 301 D

Product/substance	2-Propylheptanol ethoxylate
Result:	>60%
Conclusion:	Readily biodegradable
Test:	OECD 301 D

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.

12.3. ▼Bioaccumulative potential

Product/substance	disodium metasilicate
Conclusion:	No potential for bioaccumulation

Product/substance	hexyl D-glucoside
LogKow:	1,7500
Conclusion:	No potential for bioaccumulation

12.4. Mobility in soil

No data available.

12.5. ▼Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

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

None known.

SECTION 13: Disposal considerations

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

EWC code

20 01 15*	Alkalines
Waste group H	Waste group H

▼Specific labelling

Contaminated packing

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

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	1760	CORROSIVE LIQUID, N.O.S. (Sodium metasilicat)	Transport hazard class: 8 Label: 8 Classification code: C9	III	No	Limited quantities: 5 L Tunnel

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
						restriction code: 3 (E) See below for additional information.
IMDG	1760	CORROSIVE LIQUID, N.O.S. (Sodium metasilicat)	Transport hazard class: 8 Label: 8 Classification code: C9	III	No	Limited quantities: 5 L EmS: F-A S-B See below for additional information.
IATA	1760	CORROSIVE LIQUID, N.O.S. (Sodium metasilicat)	Transport hazard class: 8 Label: 8 Classification code: C9	III	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.
Hazchem Code: None

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

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 as retained and amended in UK law

5% - 15%
· Non-ionic surfactants
< 5%
· Phosphates

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.
Tactile warning.
If this product is sold in retail, it must be delivered with child-resistant fastening.

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

H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H335, May cause respiratory irritation.

The full text of identified uses as mentioned in section 1

LCS "C" = Consumer uses: Private households (= general public = consumers)
LCS "PW" = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
PROC 28 = Manual maintenance (cleaning and repair) of machinery
PROC 19 = Hand-mixing with intimate contact and only PPE available
PROC 8a = Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities
PC 35 = Washing and Cleaning Products (including solvent based products)
ERC 8a = Wide dispersive indoor use of processing aids in open systems
ERC 8d = Wide dispersive outdoor 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
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
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 classification of the substance/mixture in regard of skin corrosion and serious eye damage is based on the pH-criterion given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

▼The safety data sheet is validated by

RH

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