SAFETY DATA SHEET

Skyllemiddel Svanemærket

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

1.1. Product identifier

Trade name

Skyllemiddel Svanemærket

Product no.

502

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

Relevant identified uses of the substance or mixture

Skyllemiddel

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 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

▼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

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20/03/2023

SDS Version

3.0

Date of previous version

09/03/2022 (2.0)

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

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.2. Label elements

▼Hazard pictogram(s)

Not applicable.

▼Signal word

Not applicable.

▼Hazard statement(s)

Not applicable.

Safety statement(s)

General

-

Prevention

-

Response

-

Storage

-

Disposal

-

▼Hazardous substances

None known.

▼Additional labelling

EUH210, Safety data sheet available on request.

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
Fatty acids, C16-18 (even numbered) and C18 unsat., reaction products with triethanolamine, di-Me sulfate-quaternized	CAS No.: 1335202-88-4 EC No.: 931-203-0 UK-REACH: Index No.:	3-5%	Aquatic Chronic 3, H412	
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	CAS No.: 2372-82-9 EC No.: 219-145-8 UK-REACH: Index No.:	<0.0015%	Acute Tox. 3, H301 Skin Corr. 1B, H314 STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	

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

▼Other information

-

Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law

< 5%

· Cationic 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. 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

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

Eye contact

Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Seek medical assistance and continue flushing during transport.

▼Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

▼Burns

Not applicable.

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

None known.

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

None known.

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.

5.3. Advice for firefighters

Fire fighters should wear appropriate personal protective equipment.

SECTION 6: Accidental release measures

6.1. ▼Personal precautions, protective equipment and emergency procedures

No specific requirements.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

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

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

Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits.
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

propan-2-ol
Long term exposure limit (8 hours) (ppm): 400
Long term exposure limit (8 hours) (mg/m³): 999
Short term exposure limit (15 minutes) (ppm): 500
Short term exposure limit (15 minutes) (mg/m³): 1250

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

Fatty acids, C16-18 (even numbered) and C18 unsat., reaction products with triethanolamine, di-Me sulfate-quaternized

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	187,5 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	312,5 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	13 mg/m³
Long term – Systemic effects - Workers	Inhalation	44 mg/m³
Long term – Systemic effects - General population	Oral	7,5 mg/kg bw/day

propan-2-ol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	319 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	888 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	89 mg/m³
Long term – Systemic effects - Workers	Inhalation	500 mg/m³
Short term – Systemic effects - General population	Inhalation	178 mg/m³
Short term – Systemic effects - Workers	Inhalation	1000 mg/m³
Long term – Systemic effects - General population	Oral	26 mg/kg bw/day
Short term – Systemic effects - General population	Oral	51 mg/kg bw/day

▼PNEC

Fatty acids, C16-18 (even numbered) and C18 unsat., reaction products with triethanolamine, di-Me sulfate-quaternized

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,065 mg/L
Freshwater sediment		141 mg/kg
Marine water		0,0065 mg/L

Sewage treatment plant	2,96 mg/L
Soil	574 mg/kg

propan-2-ol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		140.9 mg/L
Freshwater sediment		552 mg/kg
Intermittent release (freshwater)		140.9 mg/L
Marine water		140.9 mg/L
Marine water sediment		552 mg/kg
Predators		160 mg/kg
Sewage treatment plant		2.251 g/L
Soil		28 mg/kg

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.

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

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally

No specific requirements

Respiratory Equipment

No specific requirements

▼Skin protection

No specific requirements.

▼Hand protection

No specific requirements.

▼Eye protection

No specific requirements.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

White

Odour / Odour threshold

Faint

pH

3

▼pH in solution

6 (1%)

Density (g/cm³)
1
▼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)
No data available
▼Vapour pressure
Not applicable
▼Relative vapour density
No data available
▼Decomposition temperature (°C)
Not applicable

Data on fire and explosion hazards
▼Flash point (°C)
No data available
▼Flammability (°C)
Not applicable
▼Auto-ignition temperature (°C)
Testing not relevant or not possible due to the nature of the product.
▼Lower and upper explosion limit (% v/v)
Not applicable

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
▼Evaporation rate (n-butylacetate = 100)
No data available
▼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
The product is not degraded when used as specified in section 1.

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	Fatty acids, C16-18 (even numbered) and C18 unsat., reaction products with triethanolamine, di-Me sulfate-quaternized
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	5000 mg/kg

Product/substance	Fatty acids, C16-18 (even numbered) and C18 unsat., reaction products with triethanolamine, di-Me sulfate-quaternized
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	2000 mg/kg

Product/substance	propan-2-ol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	5.280 mg/kg ·

Product/substance	propan-2-ol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	72,6 mg/l 4 h ·

Product/substance	propan-2-ol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LC50
Result:	12.800 mg/kg ·

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

Serious eye damage/irritation
Based on available data, the classification criteria are not met.

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

None known.

▼Endocrine disrupting properties

Not applicable.

Other information
propan-2-ol has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

12.1. ▼Toxicity

Product/substance	Fatty acids, C16-18 (even numbered) and C18 unsat., reaction products with triethanolamine, di-Me sulfate-quaternized
Species:	Fish
Duration:	
Test:	LC50
Result:	1,91 mg/L

Product/substance	Fatty acids, C16-18 (even numbered) and C18 unsat., reaction products with triethanolamine, di-Me sulfate-quaternized
Species:	Daphnia
Duration:	
Test:	EC50
Result:	2,23 mg/L

Product/substance	propan-2-ol
Species:	Fish
Duration:	7 days
Test:	LC50
Result:	9.640 mg/l ·

Product/substance	propan-2-ol
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	13.299 mg/l ·

12.2. ▼Persistence and degradability

Product/substance	propan-2-ol
Biodegradable:	Yes
Test method:	OECD 301 E
Result:	95%

12.3. ▼Bioaccumulative potential

No data available.

12.4. ▼Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. ▼Endocrine disrupting properties

Not applicable.

12.7. ▼Other adverse effects

None known.

SECTION 13: Disposal considerations

▼Waste treatment methods

Product is not covered by regulations on dangerous waste.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

▼EWC code

Not applicable.

▼Specific labelling

Not applicable.

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	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group
** Environmental hazards

▼Additional information
Not dangerous goods according to ADR, IATA and IMDG.

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
No special.

▼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
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
H301, Toxic if swallowed.
H314, Causes severe skin burns and eye damage.
H373, May cause damage to organs through prolonged or repeated exposure.
H400, Very toxic to aquatic life.
H410, Very toxic to aquatic life with long lasting effects.
H412, Harmful to aquatic life with long lasting effects.

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 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

▼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
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

Not applicable.

▼The safety data sheet is validated by

Rikke Hunskjær

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