SAFETY DATA SHEET

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

1.1. Product identifier

Trade name
Head & Body
Product no.
47543, 47550
REACH registration number
Not applicable

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

Relevant identified uses of the substance or mixture
Hair- and bodyshampoo with pleasant fragrance. Applicable for frequent use.
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
Metsä Tissue Oyj
Customer Service
35801 Mänttä
Finland
tel.: +358 (0)10 464 7222
fax: +358 3 474 2957
www.katrin.com
Contact person
Georg Maxein
E-mail
info.katrin.sds@metsagroup.com
SDS date
2019-05-13
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

The product belongs to the cosmetics regulation and should therefore not be classified acc. Classification and Labelling Regulation.
See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)
-
Signal word
-
Hazard statement(s)
-

Precautionary statements

General	-
Prevention	-
Response	-
Storage	-
Disposal	-

Identity of the substances primarily responsible for the major health hazards

Not applicable

2.3. Other hazards

Not applicable

Additional labelling

Nordic Ecolabel, the Swan. License number 5090 0062.
The EU Flower. License number DK/030/001.

Additional warnings

Not applicable

VOC (volatile organic compound)

Not applicable

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

NAME:	sodium 2-(2-dodecyloxyethoxy)ethyl sulphate
IDENTIFICATION NOS.:	CAS-no: 68891-38-3 EC-no: 221-416-0 REACH-no: 01-2119488639-16
CONTENT:	5 - <10%
CLP CLASSIFICATION:	Eye Dam. 1, Aquatic Chronic 3 H318, H412

NAME:	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...
IDENTIFICATION NOS.:	CAS-no: 147170-44-3 EC-no: 931-333-8 REACH-no: 01-2119489410-39
CONTENT:	1 - <2.5%
CLP CLASSIFICATION:	Eye Dam. 1 H318

NAME:	amide polyglycolic ether
IDENTIFICATION NOS.:	CAS-no: 85536-23-8 EC-no: 932-164-2 REACH-no: 01-2119565130-50
CONTENT:	1 - <2.5%
CLP CLASSIFICATION:	Skin Irrit. 2, Aquatic Chronic 3 H315, H412

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

Other information

ATEmix(oral) > 2000
Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 1,5632 - 2,3448
Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0,1304 - 0,1956
N chronic (CAT 4) Sum = Sum(Ci/(M(chronic)i*25)*0.1*10^CAT4) = 0,2851328 - 0,4276992

Ingredients:
AQUA (SOLVENT), SODIUM LAURETH SULFATE (SURFACTANT), COCAMIDOPROPYL BETAINE (SURFACTANT), PEG-4 RAPESEEDAMIDE (SURFACTANT), SODIUM CHLORIDE (THICKENING AGENT), GLYCERIN (HUMECTANT), PROPYLENE GLYCOL (SOLVENT), PEG-40 GLYCERYL COCOATE (EMULSIFIER), PHENOXYETHANOL (PRESERVATIVE), CITRIC ACID (pH ADJUSTMENT), PEG-40 CASTOR OIL (EMULSIFYING AGENT), SODIUM BENZOATE (PRESERVATIVE), POLYGLYCERIN-3 (HUMECTANT), GLYCERYL OLEATE (EMOLLIENT), GLYCOL DISTEARATE (EMOLLIENT), BENZOIC ACID (PRESERVATIVE), DEHYDROACETIC ACID (PRESERVATIVE), PARFUM (FRAGRANCE).

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
Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact
Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure to flush under the upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

Ingestion
Provide plenty of water for the person to drink and stay with him/her. 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 victim 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
Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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: Sulphur oxides. Carbon oxides. 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
No specific requirements.

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.

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

Frost-free

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

No substances are listed in The Control of Substances Hazardous to Health Regulations with an occupational exposure limit.

DNEL / PNEC

DNEL (1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...): 44.4 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...): 12.5 mg/kg/d
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...): 13.04 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population

DNEL (1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...): 7.5 mg/kg/d
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - General population

DNEL (1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...): 7.5 mg/kg/d
Exposure: Oral
Duration of Exposure: Long term – Systemic effects - General population

DNEL (sodium 2-(2-dodecyloxyethoxy)ethyl sulphate): 175 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (sodium 2-(2-dodecyloxyethoxy)ethyl sulphate): 2750 mg/kg/d
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (sodium 2-(2-dodecyloxyethoxy)ethyl sulphate): 132 ug/cm2
Exposure: Dermal
Duration of Exposure: Long term – Local effects - Workers

DNEL (sodium 2-(2-dodecyloxyethoxy)ethyl sulphate): 52 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population

DNEL (sodium 2-(2-dodecyloxyethoxy)ethyl sulphate): 1650 mg/kg/d
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - General population

DNEL (sodium 2-(2-dodecyloxyethoxy)ethyl sulphate): 79 ug/cm2
Exposure: Dermal
Duration of Exposure: Long term – Local effects - General population

DNEL (sodium 2-(2-dodecyloxyethoxy)ethyl sulphate): 15 mg/kg/d
Exposure: Oral
Duration of Exposure: Long term – Systemic effects - General population

DNEL (amide polyglycolic ether): 7.05 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (amide polyglycolic ether): 2 mg/kg/d
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (amide polyglycolic ether): 1.74 mg/kg
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population

DNEL (amide polyglycolic ether): 1 mg/kg/d
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - General population

DNEL (amide polyglycolic ether): 1 mg/kg/d
Exposure: Oral
Duration of Exposure: Long term – Systemic effects - General population

PNEC (1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...): 0.013 mg/L
Exposure: Freshwater
Duration of Exposure: Single

PNEC (1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...): 0.001 mg/L
Exposure: Marine water
Duration of Exposure: Single

PNEC (1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...): 3000 mg/L
Exposure: Sewage Treatment Plant

PNEC (1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...): 14.8 mg/kg
Exposure: Freshwater sediment

PNEC (1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...): 1.48 mg/kg
Exposure: Marine water sediment

PNEC (1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...): 0.8 mg/kg
Exposure: Soil

PNEC (sodium 2-(2-dodecyloxyethoxy)ethyl sulphate): 0.24 mg/L
Exposure: Freshwater
Duration of Exposure: Single

PNEC (sodium 2-(2-dodecyloxyethoxy)ethyl sulphate): 0.071 mg/L
Exposure: Freshwater
Duration of Exposure: Continuous

PNEC (sodium 2-(2-dodecyloxyethoxy)ethyl sulphate): 0.024 mg/L
Exposure: Marine water
Duration of Exposure: Single

PNEC (sodium 2-(2-dodecyloxyethoxy)ethyl sulphate): 10 g/L
Exposure: Sewage Treatment Plant

PNEC (sodium 2-(2-dodecyloxyethoxy)ethyl sulphate): 0.917 mg/kg
Exposure: Freshwater sediment

PNEC (sodium 2-(2-dodecyloxyethoxy)ethyl sulphate): 0.092 mg/kg
Exposure: Marine water sediment

PNEC (sodium 2-(2-dodecyloxyethoxy)ethyl sulphate): 7.5 mg/kg
Exposure: Soil

PNEC (amide polyglycolic ether): 0.011 mg/L
Exposure: Freshwater
Duration of Exposure: Single

PNEC (amide polyglycolic ether): 0.029 mg/L
Exposure: Freshwater
Duration of Exposure: Continuous

PNEC (amide polyglycolic ether): 0.01 mg/L
Exposure: Marine water
Duration of Exposure: Single

PNEC (amide polyglycolic ether): 100 mg/L
Exposure: Sewage Treatment Plant

PNEC (amide polyglycolic ether): 7.395 mg/kg
Exposure: Freshwater sediment

PNEC (amide polyglycolic ether): 0.741 mg/kg
Exposure: Marine water sediment

PNEC (amide polyglycolic ether): 1.47 mg/kg
Exposure: Soil

8.2. Exposure controls

Control is unnecessary if the product is used as intended.

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

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

Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

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

Use only CE marked protective equipment.

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

Form	Liquid
Colour	White
Odour	Pleasant
Odour threshold (ppm)	No data available.
pH	4,5
Viscosity (40°C)	2000-4000
Density (g/cm³)	1.01-1.03

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.

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
Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

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: amide polyglycolic ether
Species: Rat
Test: LD50
Route of exposure: Dermal
Result: >2000 mg/kg

Substance: amide polyglycolic ether
Species: Rat
Test: LD50
Route of exposure: Oral
Result: >2000 mg/kg

Substance: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...
Species: Rat
Test: LD50
Route of exposure: Dermal
Result: >620 mg/kg

Substance: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...
Species: Rat
Test: LD50
Route of exposure: Oral
Result: 2335 mg/kg

Substance: sodium 2-(2-dodecyloxyethoxy)ethyl sulphate
Species: Rat
Test: LD50
Route of exposure: Dermal
Result: >2000 mg/kg

Substance: sodium 2-(2-dodecyloxyethoxy)ethyl sulphate
Species: Rat
Test: LD50
Route of exposure: Oral
Result: 2870 mg/kg

Skin corrosion/irritation
Data on substance: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...
Test: OECD Guideline 404
Irritation Parameter: erythema score
Organism: Rabbit
Duration of Exposure: 4 h
Observation Period: 72 h
Reversability: reversible
Result: 1.67

Data on substance: sodium 2-(2-dodecyloxyethoxy)ethyl sulphate
Test: OECD Guideline 404
Irritation Parameter: erythema score
Organism: Rabbit
Duration of Exposure: 4 h
Observation Period: 3 weeks
Reversability: reversible
Result: 3,2
3.2

Data on substance: sodium 2-(2-dodecyloxyethoxy)ethyl sulphate
Test: OECD Guideline 404
Irritation Parameter: edema score
Organism: Rabbit
Duration of Exposure: 4 h
Observation Period: 3 weeks
Reversability: reversible
Result: 3.2
3.2

Data on substance: amide polyglycolic ether
Test: OECD Guideline 404
Irritation Parameter: erythema score
Organism: Rabbit
Duration of Exposure: 4 h
Observation Period: 3 weeks
Reversability: not reversible
Result: 4

Data on substance: amide polyglycolic ether
Test: OECD Guideline 404
Irritation Parameter: edema score
Organism: Rabbit
Duration of Exposure: 4 h
Observation Period: 3 weeks
Reversability: reversible
Result: 2.6

Serious eye damage/irritation

Data on substance: amide polyglycolic ether
Test: OECD Guideline 405
Irritation Parameter: cornea score
Organism: Rabbit
Duration of Exposure: 1 week
Observation Period: 1 week
Result: 0

Data on substance: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...
Test: OECD Guideline 405
Irritation Parameter: cornea score
Organism: Rabbit
Observation Period: 10 d
Reversability: reversible
Result: 0.33-1

Data on substance: sodium 2-(2-dodecyloxyethoxy)ethyl sulphate
Test: OECD Guideline 405
Irritation Parameter: cornea score
Reversability: reversible
Result: 0.7

Respiratory or skin sensitisation

Data on substance: amide polyglycolic ether
Test: OECD Guideline 406
Organism: Guinea pig
Observation Period: 48 h
Result: Not sensitizing

Data on substance: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...
Test: OECD Guideline 406
Organism: Guinea pig
Result: Negative
ECHA

Data on substance: sodium 2-(2-dodecyloxyethoxy)ethyl sulphate
Test: OECD Guideline 406
Organism: Guinea pig
Result: Not sensitizing

Germ cell mutagenicity

Data on substance: amide polyglycolic ether
Test: OECD Guideline 473
Organism: Human
Result: Negative
No adverse effect observed.

Data on substance: amide polyglycolic ether
Test: OECD Guideline 474
Organism: Mouse
Result: Negative
No adverse effect observed.

Data on substance: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...
Test: OECD Guideline 476
Organism: Mouse
Result: Negative
No adverse effect observed.

Data on substance: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...
Test: OECD Guideline 474
Organism: Mouse
Result: Negative
No adverse effect observed.

Data on substance: sodium 2-(2-dodecyloxyethoxy)ethyl sulphate
Test: OECD Guideline 476
Organism: Mouse
Result: Negative
No adverse effect observed.

Data on substance: sodium 2-(2-dodecyloxyethoxy)ethyl sulphate
Test: OECD Guideline 475
Organism: Mouse
Result: Negative
No adverse effect observed.

Carcinogenicity

No data available.

Reproductive toxicity

Data on substance: amide polyglycolic ether
Test: OECD 421
Organism: Rat
Result: Negative
No adverse effect observed.

Data on substance: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...
Test: OECD 414
Organism: Rat
Result: NOEL: 100 mg/kg/d
No adverse effect observed.

Data on substance: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...
Test: OECD 408
Organism: Rat
Result: NOEL: 247 mg/kg/d
No adverse effect observed.

Data on substance: sodium 2-(2-dodecyloxyethoxy)ethyl sulphate
Test: OECD 414
Organism: Rat
Result: 1000 mg/kg/d - Negative
No adverse effect observed.

Data on substance: sodium 2-(2-dodecyloxyethoxy)ethyl sulphate
Test: OECD TG 416
Organism: Rat
Result: 300 mg/kg/d - Negative
No adverse effect observed.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

SECTION 12: Ecological information

12.1. Toxicity

Substance: amide polyglycolic ether
Species: Fish
Test: LC50
Duration: 96 h
Result: 2.9 mg/L

Substance: amide polyglycolic ether
Species: Fish
Test: NOEC
Duration: 96 h
Result: 0.77 mg/L

Substance: amide polyglycolic ether
Species: Daphnia
Test: EC50
Duration: 48 h
Result: 9.5 mg/L

Substance: amide polyglycolic ether
Species: Daphnia
Test: NOEC
Duration: 48 h
Result: 2.2 mg/L

Substance: amide polyglycolic ether
Species: Algae
Test: EC50
Duration: 72 h
Result: 22 mg/L
Substance: amide polyglycolic ether
Species: Algae
Test: NOEC
Duration: 72 h
Result: 3.2 mg/L

Substance: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...
Species: Fish
Test: LC50
Duration: 96 h
Result: 1.1 mg/L

Substance: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...
Species: Daphnia
Test: EC50
Duration: 48 h
Result: 1.9 mg/L

Substance: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco ac...
Species: Algae
Test: ErC50
Duration:
Result: 1.5 mg/L

Substance: sodium 2-(2-dodecyloxyethoxy)ethyl sulphate
Species: Fish
Test: LD50
Duration: 96 h
Result: 7.1 mg//L

Substance: sodium 2-(2-dodecyloxyethoxy)ethyl sulphate
Species: Daphnia
Test: EC50
Duration: 48 h
Result: 7.4 mg/L

Substance: sodium 2-(2-dodecyloxyethoxy)ethyl sulphate
Species: Algae
Test: EC50
Duration: 72 h
Result: 27.7 mg/L

Substance: sodium 2-(2-dodecyloxyethoxy)ethyl sulphate
Species: Algae
Test: NOEC
Duration: 72 h
Result: 0.95 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
amide polyglycolic ether	Yes	No data available	81%
1-Propanaminium, 3-amino-N...	Yes	CO2 Evolution Test	91.6
sodium 2-(2-dodecyloxyethox...	Yes	No data available	No data available

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
amide polyglycolic ether	Yes	5,73	No data available
1-Propanaminium, 3-amino-N...	No	4,44	71
sodium 2-(2-dodecyloxyethox...	No	0,3	No data available

12.4. Mobility in soil

amide polyglycolic ether: Log Koc= 4,615987, Calculated from LogPow (Low mobility potential.).
1-Propanaminium, 3-amino-N-(ca...: Log Koc= 4,04 (Low mobility potential.).
sodium 2-(2-dodecyloxyethoxy)e...: Log Koc= 0,31597, 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,
This product contains substances with the potential of bioaccumulation resulting in the risk of accumulation in the food chain. Bioaccumulative substances are concentrated in adipose tissue and are not easily secreted.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

Waste

EWC code

07 06 01* aqueous washing liquids and mother liquors

Specific labelling

Not applicable

Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

SECTION 14: Transport information

14.1 – 14.4

Not dangerous goods according to ADR, IATA and IMDG.

ADR/RID

14.1. UN number	-
14.2. UN proper shipping name	-
14.3. Transport hazard class(es)	-
14.4. Packing group	-
Notes	-
Tunnel restriction code	-

IMDG

UN-no.	-
Proper Shipping Name	-
Class	-
PG*	-
EmS	-
MP**	-
Hazardous constituent	-

IATA/ICAO

UN-no.	-
Proper Shipping Name	-
Class	-
PG*	-

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

-

Demands for specific education

-

Additional information

WGK: 1 (Appendix 4)

Seveso

-

Sources

Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products.
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).
EC regulation 1907/2006 (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H412 - Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

-

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)
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

JM

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

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

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