SAFETY DATA SHEET

Brilliant Afspænding

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

1.1. Product identifier

Trade name

Brilliant Afspænding

Product no.

187

Unique formula identifier (UFI)

6PSN-51UD-Q00Y-0EXC

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

Relevant identified uses of the substance or mixture

Rinse Aid

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 8b	Wide dispersive indoor use of reactive substances 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

16/10/2023

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

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.

Precautionary statement(s)

General

-

Prevention

-

Response

-

Storage

-

Disposal

-

Hazardous substances

None known.

Additional labelling

EUH210, Safety data sheet available on request.
UFI: 6PSN-51UD-Q00Y-0EXC

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
Fedtalkoholalkoxylate 4	CAS No.: 111905-53-4 EC No.: 601-137-4 UK-REACH: Index No.:	5-10%	Acute Tox. 4, H302 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
Butylalkoxylat	CAS No.: 9038-95-3 EC No.: 618-542-7 UK-REACH: Index No.:	3-5%	Acute Tox. 4, H302	
sodium p-cumenesulphonate	CAS No.: 15763-76-5 EC No.: 239-854-6 UK-REACH: Index No.:	1-3%	Eye Irrit. 2, H319	
citric acid	CAS No.: 5949-29-1 EC No.: 611-842-9 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

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

Eye contact

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. 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

Treat symptomatically.

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:

Sulphur oxides

Carbon oxides (CO / CO2)

Some metal oxides

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

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

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

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

2-phenoxyethanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	10.42 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	20.83 mg/kg bw/day
Long term – Local effects - General population	Inhalation	2.41 mg/m³
Long term – Local effects - Workers	Inhalation	5.7 mg/m³
Long term – Systemic effects - General population	Inhalation	2.41 mg/m³
Long term – Systemic effects - Workers	Inhalation	5.7 mg/m³
Long term – Systemic effects - General population	Oral	9.23 mg/kg bw/day
Short term – Systemic effects - General population	Oral	9.23 mg/kg bw/day

sodium p-cumenesulphonate

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Dermal	48 µg/cm²
Long term – Local effects - Workers	Dermal	96 µg/cm²
Long term – Systemic effects - General population	Dermal	68.1 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	191 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	6.6 mg/m³
Long term – Systemic effects - Workers	Inhalation	37.4 mg/m³
Long term – Systemic effects - General population	Oral	3.8 mg/kg bw/day

PNEC

2-phenoxyethanol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		943 µg/L
Freshwater sediment		7.237 mg/kg

Intermittent release (freshwater)	3.44 mg/L
Marine water	94.3 µg/L
Marine water sediment	723.7 µg/kg
Sewage treatment plant	36 mg/L
Soil	1.31 mg/kg

citric acid

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,44 mg/L
Freshwater sediment		3,46 mg/kgbw
Marine water		0,044 mg/L
Marine water sediment		34,6 mg/kgbw
Sewage treatment plant		> 1000 mg/L
Soil		33,1 mg/kgbw

sodium p-cumenesulphonate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		100 µg/L
Freshwater sediment		372 µg/kg
Intermittent release (freshwater)		1 mg/L
Marine water		10 µg/L
Marine water sediment		37.2 µg/kg
Sewage treatment plant		100 mg/L
Soil		16 µg/kg

8.2. Exposure controls

Control is unnecessary if the product is used as intended.

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

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

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally

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

No specific requirements.

Eye protection

Type	Standards

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state
Liquid

Colour
Colourless

Odour / Odour threshold
Faint

pH
4

Density (g/cm³)
1.02

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)
No data available

Data on fire and explosion hazards

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

Flammability (°C)
Not applicable

Auto-ignition temperature (°C)
Not applicable

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

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
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	Fedtalkoholalkoxylate 4
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	> 300-2000 mg/kg ·

Product/substance	Butylalkoxylat
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	300-2000 mg/kg

Product/substance	sodium p-cumenesulphonate
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg ·

Product/substance	citric acid
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	3000 mg/kg ·

Product/substance	2-phenoxyethanol
Test method:	OECD 402
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	> 2000 mg/kg

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

Serious eye damage/irritation

Product/substance	Fedtalkoholalkoxylate 4
Test method:	OECD 404
Species:	Rabbit
Duration:	No data available.
Result:	Adverse effect observed (Slightly irritating)

Respiratory sensitisation

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

Skin sensitisation

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

Germ cell mutagenicity

Product/substance	2-phenoxyethanol

Conclusion: No adverse effect observed

Carcinogenicity
Product/substance: 2-phenoxyethanol
Conclusion: No adverse effect observed

Reproductive toxicity
Product/substance: 2-phenoxyethanol
Conclusion: No adverse effect observed

STOT-single exposure
Product/substance: 2-phenoxyethanol
Route of exposure: Inhalation
Conclusion: Adverse effect observed

STOT-repeated exposure
Product/substance: 2-phenoxyethanol
Conclusion: No adverse effect observed

Aspiration hazard
Product/substance: 2-phenoxyethanol
Kin. viscocity (mm²/s): 19,38
Conclusion: Aspiration hazard not applicable

11.2. Information on other hazards
Long term effects
None known.
Endocrine disrupting properties
Product/substance: 2-phenoxyethanol
Other information
None known.

SECTION 12: Ecological information

12.1. Toxicity
Product/substance: Fedtalkoholalkoxylate 4
Species: Fish
Duration: 7 days
Test: LC50
Result: 1-10 mg/l ·

Product/substance: Fedtalkoholalkoxylate 4
Species: Daphnia
Duration: 48 hours
Test: EC50
Result: 1-10 mg/l ·

Product/substance: Butylalkoxylat
Species: Fish
Duration: 7 days
Test: LC50
Result: > 100 mg/l ·

Product/substance: Butylalkoxylat
Species: Daphnia
Duration: 48 hours
Test: EC50
Result: > 100 mg/l ·

Product/substance: sodium p-cumenesulphonate
Species: Daphnia
Duration: 48 hours
Test: EC50
Result: > 100 mg/l ·

Product/substance: sodium p-cumenesulphonate

Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	> 100 mg/l ·

Product/substance	citric acid
Species:	Fish
Duration:	7 days
Test:	LC50
Result:	440-760 mg/l ·

Product/substance	citric acid
Species:	Crustacean
Duration:	No data available.
Test:	EC50
Result:	> 10000 mg/l ·

Product/substance	2-phenoxyethanol
Test method:	OECD 202
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	> 100 mg/l ·

Product/substance	2-phenoxyethanol
Test method:	OECD 201
Species:	Algae, Desmodesmus subspicatus
Duration:	72 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	2-phenoxyethanol
Test method:	OECD 203
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	344 mg/L

Product/substance	2-phenoxyethanol
Species:	Fish, Pimephales promelas
Test:	NOEC
Result:	23 mg/L

Product/substance	2-phenoxyethanol
Species:	Daphnia, Daphnia magna
Duration:	21 days
Test:	NOEC
Result:	9,43 mg/L

Product/substance	2-phenoxyethanol
Compartment:	Sewage treatment plant
Duration:	17 hours
Test:	EC10
Result:	320 mg/L

12.2. Persistence and degradability

Product/substance	Fedtalkoholalkoxylate 4
Biodegradable:	Yes
Test method:	OECD 301 F
Result:	> 60%

Product/substance	Butylalkoxylat
Biodegradable:	Yes
Test method:	OECD 301 F
Result:	> 60%

Product/substance	sodium p-cumenesulphonate
Biodegradable:	Yes
Test method:	OECD 301 B
Result:	> 60%

Product/substance	citric acid
Biodegradable:	Yes
Test method:	OECD 301 B
Result:	97%

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

12.3. Bioaccumulative potential

Product/substance	sodium p-cumenesulphonate
Potential bioaccumulation:	No
LogPow:	No data available.
BCF:	No data available.

Product/substance	2-phenoxyethanol
Test method:	OECD 305
Potential bioaccumulation:	No
LogPow:	No data available.
BCF:	-0,35

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

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 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

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.

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

5% - 15%
· Non-ionic surfactants
< 5%
· Anionic surfactants
· Preservation agent (PHENOXYETHANOL)

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 (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.
H319, Causes serious eye irritation.
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 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 8b = Wide dispersive indoor use of reactive substances 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

Not applicable.

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