

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Bio-Clean Drivhusrens

Product no.

-

REACH registration number

Not applicable

Unique formula identifier (UFI)

-

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

Relevant identified uses of the substance or mixture

PC35 Washing and cleaning products

Washing and Cleaning Products (including solvent based products) (PC35)

Roller application or brushing (PROC 10)

Professional uses: Public domain (administration, education, entertainment, services, craftsmen) (SU 22)

Wide dispersive indoor use of processing aids in open systems (ERC8a)

Uses advised against

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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

Juliana Drivhuse A/S

c/o Postboks 507

Sivlandvænget 29

5260 Odense S

Danmark

Tlf: 6611 1811

Contact person**E-mail**

mail@juliana.com

SDS date

2019-08-19

SDS Version

7.0

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)

2.2. Label elements

▼ Hazard pictogram(s)

Not applicable

▼ Signal word

-

▼ Hazard statement(s)

Not applicable

▼ 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

Safety data sheet available on request. (EUH210)

Additional warnings

Not applicable

VOC (volatile organic compound)

Not applicable

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

NAME: Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched
IDENTIFICATION NOS.: CAS-no: 69011-36-5 EC-no: -
CONTENT: 2.5 - <5%
CLP CLASSIFICATION: Acute Tox. 4, Eye Dam. 1
H302, H318

NAME: urinstof
IDENTIFICATION NOS.: CAS-no: 57-13-6 EC-no: 200-315-5
CONTENT: 1 - <2.5%
CLP CLASSIFICATION: NA

NAME: Alanine, N,N,-bis(carboxymethyl)-, trisodium salt
IDENTIFICATION NOS.: CAS-no: 164462-16-2 EC-no: 423-270-5 REACH-no: 01-0000016977-53
CONTENT: 1 - <2.5%
CLP CLASSIFICATION: Met. Corr. 1
H290

NAME: Alcohols, C12-14, even, numbered, ethoxylated, It, 2, 5, EO, sulfates, sodium, salts
IDENTIFICATION NOS.: CAS-no: 68891-38-3 EC-no: 500-234-8 REACH-no: 01-2119488639-16
CONTENT: 1 - <2.5%
CLP CLASSIFICATION: Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3
H315, H318, 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(inhale, vapour) > 20
ATEmix(inhale, dust/mist) > 5
ATEmix(inhale, gas) > 20000
ATEmix(dermal) > 2000
ATEmix(oral) > 2000
Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0,5536 - 0,8304
Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0,0952 - 0,1428
N chronic (CAT 4) Sum = Sum(Ci/(M(chronic)ⁱ*25)^{0.1}*10[^]CAT4) = 0,038016 - 0,057024

Detergent:
> 30%: AQUA
< 5%: NON-IONIC SURFACTANTS, UREA, TRISODIUM DICARBOXYMETHYL ALANINATE, ANIONIC 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. 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 and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 15 minutes. Seek medical assistance and 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**

Nothing special

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

Nothing special

Information to medic

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: Nitrogen oxides. Carbon 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**

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.

Storage temperature

No data available.

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

PNEC (Alanine, N,N,-bis(carboxymethyl)-, trisodium salt): > 200 mg/l
Exposure: Activated Sludge Plant
Remarks: EC 50 0,5 h

PNEC (Alcohols,C12-14,even,numbered,ethoxylated,It,2,5,EO,sulfates,sodium,salts): >100 mg/l
Exposure: Activated Sludge Plant
Remarks: EC0, OECD 209

PNEC (Poly(oxy-1,2-ethanediy), alpha-tridecyl-omega-hydroxy-, branched): >10.000 mg/l
Exposure: Activated Sludge Plant
Duration of Exposure: Single

8.2. Exposure controls

▼ Control is unnecessary if the product is used as intended.

General recommendations

▼ Smoking, eating and drinking are not allowed in the work premises

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

Nitrile rubber

Material thickness: 0,38 mm.

Breakthrough time: > 480 minutes (Class 6)

▼ Eye protection

No specific requirements.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	Clear
Odour	Pleasant
Odour threshold (ppm)	No data available.
pH	10,2
Viscosity (40°C)	No data available.

Density (g/cm ³)	1,02
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.
pH=8 i 1% opl.	

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

Shelf life: 18 months.

Shelf life after opening: 24 months

10.3. Possibility of hazardous reactions

Nothing special

10.4. Conditions to avoid

Nothing special

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: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts

Species: Rat

Test: LD50

Route of exposure: Oral

Result: >5000 mg/l

Substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts

Species: Rat

Test: LD50

Route of exposure: Dermal

Result: >5000 mg/l

Substance: Alanine, N,N,-bis(carboxymethyl)-, trisodium salt

Species: Rat

Test: LD50

Route of exposure: Oral

Result: > 4000 mg/kg

Substance: Alanine, N,N,-bis(carboxymethyl)-, trisodium salt

Species: Rat

Test: LD50

Route of exposure: Dermal

Result: > 4000 mg/kg

Substance: Alanine, N,N,-bis(carboxymethyl)-, trisodium salt

Species: Rabbit

Test: LC50

Route of exposure: Oral

Result: > 5 mg/l

Substance: urinstof
Species: Rat
Test: LD50
Route of exposure: Dermal
Result: 8471 mg/kg

Substance: urinstof
Species: Rat
Test: LD50
Route of exposure: Oral
Result: 14300 mg/kg

Substance: Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched
Species: Rat
Test: LD50
Route of exposure: Oral
Result: 500-2000 mg/kg

Skin corrosion/irritation

Data on substance: Alcohols,C12-14,even,numbered,ethoxylated,It,2,5,EO,sulfates,sodium,salts
Test: OECD Guideline 404
Organism: Rabbit
Result: Irritation

Data on substance: Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched
Test: OECD Guideline 404
Organism: Rabbit
Result: Not irritating

Data on substance: urinstof

▼ Serious eye damage/irritation

Data on substance: Alcohols,C12-14,even,numbered,ethoxylated,It,2,5,EO,sulfates,sodium,salts
Test: OECD Guideline 404
Organism: Rabbit
Result: Irritation

Data on substance: urinstof

Data on substance: Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched
Test: OECD Guideline 404
Organism: Rabbit
Result: Irritating

Respiratory or skin sensitisation

No data available. Data on substance: Alcohols,C12-14,even,numbered,ethoxylated,It,2,5,EO,sulfates,sodium,salts
Organism: Mouse
Result: No sensitisation

Germ cell mutagenicity

Data on substance: Alcohols,C12-14,even,numbered,ethoxylated,It,2,5,EO,sulfates,sodium,salts
No adverse effect observed.

Data on substance: Alanine, N,N,-bis(carboxymethyl)-, trisodium salt
No adverse effect observed.

Data on substance: urinstof
No adverse effect observed.

Data on substance: Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched
No adverse effect observed.

Carcinogenicity

Data on substance: Alcohols,C12-14,even,numbered,ethoxylated,It,2,5,EO,sulfates,sodium,salts
No adverse effect observed.

Data on substance: Alanine, N,N,-bis(carboxymethyl)-, trisodium salt
No adverse effect observed.

Data on substance: urinstof
No adverse effect observed.

Data on substance: Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched
No adverse effect observed.

Reproductive toxicity

Data on substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
No adverse effect observed.

Data on substance: Alanine, N,N,-bis(carbxymethyl)-, trisodium salt
No adverse effect observed.

Data on substance: urinstof
No adverse effect observed.

Data on substance: Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched
No adverse effect observed.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

Data on substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
No adverse effect observed. Data on substance: urinstof
Data on substance: Poly(oxy-1,2-ethanediyl),
alpha-tridecyl-omega-hydroxy-, branched
No adverse effect observed.

▼ Long term effects

Nothing special

SECTION 12: Ecological information

12.1. Toxicity

Substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
Species: Fish
Test: LC50
Duration: 96 h
Result: 10-100 mg/l

Substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
Species: Daphnia
Test: EC50
Duration: 48 h
Result: 10-100 mg/l

Substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
Species: Algae
Test: EC50
Duration: 72 h
Result: >100 mg/l

Substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
Species: Fish
Test: NOEC
Duration:
Result: 1-10 mg/l

Substance: Alcohols,C12-14,even,numbered,ethoxylated,lt,2,5,EO,sulfates,sodium,salts
Species: Daphnia
Test: NOEC
Duration:
Result: 0,1-1 mg/l

Substance: Alanine, N,N,-bis(carbxymethyl)-, trisodium salt
Species: Fish
Test: LC50
Duration: 96 h
Result: > 200 mg/l

Substance: Alanine, N,N,-bis(carbxymethyl)-, trisodium salt
Species: Crustacean
Test: EC50

Duration: 48 h
Result: > 200 mg/l

Substance: Alanine, N,N,-bis(carboxymethyl)-, trisodium salt
Species: Algae
Test: EC50
Duration: 72 h
Result: > 200 mg/l

Substance: urinstof
Species: Fish
Test: LC50
Duration: 96 h
Result: >6810 mg/l

Substance: urinstof
Species: Daphnia
Test: EC50
Duration: 24 h
Result: >10000 mg/l

Substance: urinstof
Species: Algae
Test: EC50
Duration: 8 days
Result: >10000 mg/l

Substance: Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched
Species: Fish
Test: LC50
Duration: 96 h
Result: 1-10 mg/l

Substance: Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched
Species: Algae
Test: EC50
Duration: 72 h
Result: 1-10 mg/l

Substance: Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched
Species: Daphnia
Test: EC50
Duration: 48 h
Result: 1-10 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Alcohols,C12-14,even,numbered,...	Yes	Closed Bottle Test	>60%
Alanine, N,N,-bis(carboxymethyl)...	Yes	No data available	No data available
urinstof	Yes	DOC Die-Away Test	>70%
Poly(oxy-1,2-ethanediyl), alph...	Yes	CO2 Evolution Test	>60%

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
Alcohols,C12-14,even,numbered,...	No	0,3	No data available
Alanine, N,N,-bis(carboxymethyl)...	No	No data available	No data available
urinstof	No	-1,59	No data available
Poly(oxy-1,2-ethanediyl), alph...	No	No data available	No data available

12.4. Mobility in soil

Alcohols,C12-14,even,numbered,...: Log Koc= 0,31597, Calculated from LogPow (High mobility potential.).
urinstof: Log Koc= -1,180721, 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,

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

Waste

EWC code

20 01 30

detergents other than those mentioned in 20 01 29

Specific labelling

Not applicable

▼ Contaminated packing

No specific requirements.

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/CAO

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

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.

Seveso

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Sources

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

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).

Regulation (EC) 1907/2006 (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H290 - May be corrosive to metals.

H302 - Harmful if swallowed.

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

PC35 = Washing and Cleaning Products (including solvent based products)

PROC 10 = Roller application or brushing

SU 22 = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

ERC8a = Wide dispersive indoor use of processing aids in open systems

Additional label elements

Not applicable

Other

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

Lisbet Tetsche

Date of last essential change

(First cipher in SDS version)

2019-08-19(6.0)

Date of last minor change

(Last cipher in SDS version)

2019-08-19