According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

SAFETY DATA SHEET

Crew Daily Milk System Cleaner

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

1.1. Product identifier

Trade name

Milk system cleaner

Other names / Synonyms

Milk frother cleaner

Product no.

23001

Unique formula identifier (UFI)

736X-0TJV-Y00C-5KA5

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

Relevant identified uses of the substance or mixture

Cleaning product

Uses advised against

None known.

1.3. Details of the Manufacturer of the safety data sheet Company and address

lujoCLEAN - cleaning products for coffee machines
Weidenstraße 13
82386 Huglfing
Germany
Tel: +49 (0) 88 02 913 747 -0
Fax: +49 (0) 88 02 913 747 -1
www.lujoclean.com

E-mail

info@lujoclean.com

Revision

03/02/2023

SDS Version

1.0

1.3.1 Details of the of Supplier the safety data sheet Company and address

Crew Machines
Sterling House
5 - 7 Turves Road, Cheadle Court
Turves Road
SK4 3RH
United Kingdom
www.crewmachines.com/

1.4. Emergency telephone number

Tel. +49 89 96290-441

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Irrit. 2; H315, Causes skin irritation.
Eye Dam. 1; H318, Causes serious eye damage.

2.2. Label elements

Hazard pictogram(s)

Signal word

Danger

Hazard statement(s)

Causes skin irritation. (H315)
Causes serious eye damage. (H318)

Safety statement(s)

General

If medical advice is needed, have product container or label at hand. (P101)
Keep out of reach of children. (P102)

Prevention

Wear eye protection/protective gloves/face protection. (P280)

Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
Immediately call a POISON CENTER/doctor. (P310)

Storage

-

Disposal

-

Hazardous substances

1-Heptanol, 2-propyl- , 7EO
phosphoric acid
didecyldimethylammonium chloride

Additional labelling

UFI: 736X-0TJV-Y00C-5KA5

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
Tetrapotassium pyrophosphate	CAS No.: 7320-34-5 EC No.: 230-785-7 REACH: 01-2119489369-18-XXXX Index No.:	3-<5%	Eye Irrit. 2, H319	
1-Heptanol, 2-propyl- , 7EO	CAS No.: 160875-66-1 EC No.: 605-233-7 REACH: Index No.:	3-<5%	Acute Tox. 4, H302 Eye Dam. 1, H318	
phosphoric acid	CAS No.: 7664-38-2 EC No.: 231-633-2 REACH: 01-2119485924-24-XXXX Index No.: 015-011-00-6	1-<5%	Met. Corr. 1, H290 Acute Tox. 4, H302 Skin Corr. 1B, H314 (SCL: 25.00 %) Eye Dam. 1, H318 (SCL: 25.00 %)	[1]
didecyldimethylammonium chloride	CAS No.: 7173-51-5 EC No.: 230-525-2 REACH: 01-2119945987-15-XXXX Index No.: 612-131-00-6	1-<2,5%	Acute Tox. 3, H301 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 2, H411	[4]

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

Other information

[1] European occupational exposure limit.
[4] Substance is listed in Annex I of the Prior Informed Consent Regulation (PIC, Regulation (EU) 649/2012).

Labelling of contents according to Detergents Regulation (EC) No 648/2004

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

IF ON SKIN: Wash with plenty of water/water and soap.
Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.
If skin irritation occurs: Get medical advice/attention.

Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately 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 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

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

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

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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:
Halogenated compounds
Nitrogen oxides (NO_x)
Carbon oxides (CO / CO2)
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 Centre (NPIC) on +353 (0) 1 809 256 (24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Avoid direct contact with spilled substances.

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
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
Dry, cool and well ventilated

Incompatible materials

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
phosphoric acid
Long term exposure limit (8 hours) (mg/m³): 1
Short term exposure limit (15 minutes) (mg/m³): 2
Annotations:
IOELV = Indicative Occupational Exposure Limit Values are health based limits set under the Chemical Agents Directive (98/24/EC).

2021 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019).

DNEL
phosphoric acid

Duration	Route of exposure	DNEL
Long term – Local effects - General population	Inhalation	360 µg/m³
Long term – Local effects - Workers	Inhalation	1 mg/m³
Long term – Systemic effects - General population	Inhalation	4.57 mg/m³
Long term – Systemic effects - Workers	Inhalation	10.7 mg/m³
Short term – Local effects - Workers	Inhalation	2 mg/m³
Long term – Systemic effects - General population	Oral	100 µg/kgbw/day

Tetrapotassium pyrophosphate

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Inhalation	4.35 mg/m³
Long term – Systemic effects - Workers	Inhalation	17.63 mg/m³

PNEC

didecyldimethylammonium chloride

Route of exposure	Duration of Exposure	PNEC
Freshwater		1.1 µg/L
Freshwater sediment		61.86 mg/kg
Intermittent release (freshwater)		210 ng/L
Intermittent release (marine water)		21 ng/L
Marine water		110 ng/L
Marine water sediment		6.186 mg/kg
Sewage treatment plant		140 µg/L
Soil		1.4 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

Take off contaminated clothing and wash it before reuse.

Measures to avoid environmental exposure

No specific requirements.

8.3. Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

Type	Class	Colour	Standards
No specific requirements			

Skin protection

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn.	-	-	

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Gloves		> 480	EN374	

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Butyl	0,7	> 480	EN374-2, EN374-3, EN388, EN421	
Nitrile	0,5	> 480	EN374-2, EN374-3, EN388	

Eye protection

Type	Standards	
Safety glasses with side shields.	EN166	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state
Liquid

Colour
Blue

Odour / Odour threshold
Characteristic

pH
2,1

Density (g/cm³)
Testing not relevant or not possible due to the nature of the product.

Relative density
1.04

Kinematic viscosity
No data available

Particle characteristics
Not applicable - product is a liquid

Phase changes

Melting point/Freezing point (°C)
No data available

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

Boiling point (°C)
No data available

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)
Testing not relevant or not possible due to the nature of the product.

Auto-Ignition (°C)
Testing not relevant or not possible due to the nature of the product.

Flammability (°C)
Testing not relevant or not possible due to the nature of the product.

Lower and upper explosion limit (% v/v)

Testing not relevant or not possible due to the nature of the product.

Solubility

Solubility in water

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

VOC (g/L)

<0,5%

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

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

Acute toxicity

Product/substance	Tetrapotassium pyrophosphate
Test method	OECD 402
Species	Rabbit
Route of exposure	
Test	LD50
Result	>2000 mg/kg
Other information	

Product/substance	Tetrapotassium pyrophosphate
Test method	OECD 403
Species	Rat
Route of exposure	
Test	LD50
Result	>1,1 mg/L
Other information	

Product/substance	1-Heptanol, 2-propyl- , 7EO
Test method	OECD 423
Species	Rat
Route of exposure	
Test	LD50
Result	300-2000 mg/kg
Other information	

Product/substance	1-Heptanol, 2-propyl- , 7EO

Test method	
Species	Rabbit
Route of exposure	
Test	LD50
Result	>2000 mg/kg
Other information	

Product/substance	phosphoric acid
Test method	
Species	
Route of exposure	Oral
Test	LD50
Result	500 mg/kg
Other information	

Product/substance	phosphoric acid
Test method	OECD 423
Species	Rat
Route of exposure	Oral
Test	LD50
Result	300-2000 mg/kg
Other information	

Product/substance	phosphoric acid
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	1530 mg/kg
Other information	

Product/substance	didecyldimethylammonium chloride
Test method	OECD 401
Species	Rat
Route of exposure	Oral
Test	LD50
Result	238 mg/kg
Other information	

Product/substance	didecyldimethylammonium chloride
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	
Result	3342 mg/kg
Other information	

Skin corrosion/irritation

Product/substance	Tetrapotassium pyrophosphate
Test method	OECD 404
Species	Rabbit
Duration	
Result	No adverse effect observed (Not irritating)
Other information	

Product/substance	1-Heptanol, 2-propyl- , 7EO
Test method	OECD 404
Species	Rabbit
Duration	
Result	Adverse effect observed (Slightly irritating)
Other information	

Product/substance	phosphoric acid
Test method	

Species	Rabbit
Duration	
Result	
Other information	

Product/substance	didecyldimethylammonium chloride
Test method	OECD 404
Species	Rabbit
Duration	
Result	
Other information	

Causes skin irritation.

Serious eye damage/irritation

Product/substance	Tetrapotassium pyrophosphate
Test method	OECD 405
Species	Rabbit
Duration	
Result	Adverse effect observed (Irritating)
Other information	

Product/substance	1-Heptanol, 2-propyl- , 7EO
Test method	OECD 405
Species	Rabbit
Duration	
Result	
Other information	

Product/substance	phosphoric acid
Test method	
Species	Rabbit
Duration	
Result	
Other information	

Product/substance	didecyldimethylammonium chloride
Test method	
Species	
Duration	
Result	
Other information	

Causes serious eye damage.

Respiratory sensitisation

Product/substance	Tetrapotassium pyrophosphate
Test method	
Species	
Result	No adverse effect observed (not sensitising)
Other information	

Product/substance	1-Heptanol, 2-propyl- , 7EO
Test method	OECD 406
Species	Guinea pig
Result	No adverse effect observed (not sensitising)
Other information	

Product/substance	didecyldimethylammonium chloride
Test method	OECD 406
Species	Guinea pig
Result	
Other information	

Skin sensitisation

Product/substance	Tetrapotassium pyrophosphate
Test method	

Species	
Result	No adverse effect observed (not sensitising)
Other information	

Product/substance	1-Heptanol, 2-propyl- , 7EO
Test method	OECD 406
Species	Guinea pig
Result	No adverse effect observed (not sensitising)
Other information	

Product/substance	didecyldimethylammonium chloride
Test method	OECD 406
Species	Guinea pig
Result	
Other information	

Germ cell mutagenicity

Product/substance	didecyldimethylammonium chloride
Test method	OECD 475
Species	Rat
Conclusion	No adverse effect observed
Other information	

Product/substance	didecyldimethylammonium chloride
Test method	OECD 471
Species	Bacteria, S. typhimurium
Conclusion	No adverse effect observed
Other information	

Carcinogenicity

Product/substance	didecyldimethylammonium chloride
Test method	
Species	
Route of exposure	
Target organ	
Duration	
Test	
Result	
Conclusion	No adverse effect observed
Other information	

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

Product/substance	Tetrapotassium pyrophosphate
Kin. viscocity (mm^2/s)	
Test	
Conclusion	Aspiration hazard not applicable
Other information	

Product/substance	1-Heptanol, 2-propyl- , 7EO
Kin. viscocity (mm^2/s)	
Test	
Conclusion	Aspiration hazard not applicable
Other information	

11.2. Information on other hazards

Long term effects

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

Endocrine disrupting properties

Product/substance	Tetrapotassium pyrophosphate
Test method	
Species	
Duration	
Test	
Result	
Conclusion	No adverse effect observed
Other information	

Other information

None known.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	Tetrapotassium pyrophosphate
Test method	OECD 203
Species	Fish, Oncorhynchus mykiss
Compartment	
Duration	96 hours
Test	LC50
Result	>100 mg/L
Other information	

Product/substance	Tetrapotassium pyrophosphate
Test method	OECD 202
Species	Crustacean, Daphnia magna
Compartment	
Duration	48 hours
Test	EC50
Result	>100 mg/L
Other information	

Product/substance	Tetrapotassium pyrophosphate
Test method	OECD 201
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	>100 mg/L
Other information	

Product/substance	Tetrapotassium pyrophosphate
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	NOEC
Result	>100 mg/L
Other information	

Product/substance	Tetrapotassium pyrophosphate
Test method	OECD 209
Species	Bacteria
Compartment	
Duration	3 hours
Test	EC50
Result	>1000 mg/L
Other information	

Product/substance	1-Heptanol, 2-propyl- , 7EO
Test method	
Species	Fish, Oncorhynchus mykiss

Compartment	
Duration	96 hours
Test	LC50
Result	>10-100 mg/L
Other information	

Product/substance	1-Heptanol, 2-propyl- , 7EO
Test method	
Species	Crustacean, Daphnia magna
Compartment	
Duration	48 hours
Test	EC50
Result	>10-100 mg/L
Other information	

Product/substance	1-Heptanol, 2-propyl- , 7EO
Test method	
Species	Algae, Scenedesmus subspicatus
Compartment	
Duration	72 hours
Test	EC50
Result	10-100 mg/L
Other information	

Product/substance	1-Heptanol, 2-propyl- , 7EO
Test method	OECD 209
Species	Bacteria
Compartment	
Duration	No data available.
Test	EC20
Result	>100 mg/L
Other information	

Product/substance	phosphoric acid
Test method	
Species	Fish, Lepomis macrochirus
Compartment	
Duration	96 hours
Test	LC50
Result	3,0-3,25 mg/L
Other information	

Product/substance	phosphoric acid
Test method	OECD 201
Species	Algae, Desmodesmus subspicatus
Compartment	
Duration	72 hours
Test	EC50
Result	>100 mg/L
Other information	

Product/substance	didecyldimethylammonium chloride
Test method	
Species	Fish, Pimephales promelas
Compartment	
Duration	96 hours
Test	LC50
Result	0,19 mg/L
Other information	

Product/substance	didecyldimethylammonium chloride
Test method	OECD 210
Species	Fish, Brachydanio rerio
Compartment	
Duration	28 days

Test	NOEC
Result	0,032 mg/L
Other information	

Product/substance	didecyldimethylammonium chloride
Test method	OECD 211
Species	Crustacean, Daphnia magna
Compartment	
Duration	21 days
Test	NOEC
Result	0,014 mg/L
Other information	

Product/substance	didecyldimethylammonium chloride
Test method	OECD 211
Species	Crustacean, Daphnia magna
Compartment	
Duration	21 days
Test	NOEC
Result	0,010 mg/L
Other information	

Product/substance	didecyldimethylammonium chloride
Test method	
Species	Crustacean, Daphnia magna
Compartment	
Duration	48 hours
Test	EC50
Result	0,062 mg/L
Other information	

Product/substance	didecyldimethylammonium chloride
Test method	OECD 201
Species	Algae, Selenastrum capricornutum
Compartment	
Duration	96 hours
Test	EC50
Result	0,026 mg/L
Other information	

Product/substance	didecyldimethylammonium chloride
Test method	OECD 209
Species	Bacteria
Compartment	
Duration	3 hours
Test	EC50
Result	11 mg/L
Other information	

12.2. Persistence and degradability

Product/substance	Tetrapotassium pyrophosphate
Biodegradable	Yes
Test method	
Result	

Product/substance	1-Heptanol, 2-propyl- , 7EO
Biodegradable	Yes
Test method	OECD 301 D
Result	>60

Product/substance	didecyldimethylammonium chloride
Biodegradable	Yes
Test method	OECD 301 B
Result	72

12.3. Bioaccumulative potential

Product/substance	Tetrapotassium pyrophosphate
Test method	
Potential bioaccumulation	No
LogPow	<1
BCF	No data available.
Other information	

Product/substance	didecyldimethylammonium chloride
Test method	
Potential bioaccumulation	Yes
LogPow	No data available.
BCF	81
Other information	

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

None known.

12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: Disposal considerations

Waste treatment methods

Product is not covered by regulations on dangerous waste.

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code

20 01 29* Detergents containing dangerous substances

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.

Product registration number

736X-0TJV-Y00C-5KA5

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.

Sources

Protection of Young Persons (Employment) Act, 1996
Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.
Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals (with subsequent amendments).
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.
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 (CLP).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (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.
H301, Toxic if swallowed.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H400, Very toxic to aquatic life.
H411, Toxic to aquatic life with long lasting effects.

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

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).

The safety data sheet is validated by

QM lujoCLEAN

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.
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