

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH), amended by Regulation
(EC) No. 2015/830

Version number: GHS 1.0

Date of compilation: 2017-07-27

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

1.1 Product identifier

Trade name

**Medical Body Art – Mousse nettoyante/ Tattoo
cleansing foam**

Registration number (REACH)

not relevant (mixture)

Other means of identification

Item code

PSO10018189 (2149.10)

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

Relevant identified uses

industrial uses: uses of substances as such or in pre-
parations at industrial sites
consumer uses: private households (= general public
= consumers)
cosmetics, personal care products

1.3 Details of the supplier of the safety data sheet

SUDCOSMETICS
ZA Les Plaines Sud
13250 Saint Chamas
France

Telephone: +33 (0)4 42 77 49 31
e-mail: contact@sudcosmetics.fr

1.4 Emergency telephone number

Emergency information service

Austria : +431 406 43 43;
Belgium : +070 245 245 (7 /7 24/24);
Bulgaria : +359 2 9154 409;
Czech republic tel +420 224 919 293, +420 224 915 402;
Denmark : 82 12 12 12;
Estonia : tel nationally 16662, from abroad (+372) 626 93 90;
Finland : (09) 471 977 (direct) or (09) 4711 (exchange);
France : + 33 (0)1 45 42 59 59 (7/7 24/24);
Germany : 030/19240;
Hungary : +36 1 476 6464;
Ireland : 01 8092566 or 01 8379964;
Italie : 0659943733;
Lithuania : 370 5 236 20 52 ou 370 687 53 378;
Malta : 2545 0000;
Netherlands : 030-2748888;
New zealand : 0800 764 766 or 0800 611 116;
Norway : + 47 810 20 050;
Portugal : 808 250 143;
Romania : 021.318.36.06;
Slovakia : 421 2 5477 4166;
Spain : + 34 91 562 04 20;
Sweden : 112 ou 08-331231.
United kingdom : +44 7769893997
USA : 1-800-222-1222.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Section	Hazard class	Cat- egory	Hazard class and category	Hazard state- ment
3.3	serious eye damage/eye irritation	Cat. 1	(Eye Dam. 1)	H318
4.1C	hazardous to the aquatic environment - chronic hazard	Cat. 3	(Aquatic Chronic 3)	H412

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Remarks

For full text of H-phrases: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Signal word

Danger

Pictograms

GHS05



Hazard statements

H318

Causes serious eye damage.

H412

Harmful to aquatic life with long lasting effects.

Precautionary statements

Precautionary statements - general

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

Precautionary statements - prevention

P273

Avoid release to the environment.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - response

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310

Immediately call a POISON CENTER/doctor.

Precautionary statements - disposal

P501

Dispose of contents, container in accordance with local regulation.

Hazardous ingredients for labelling:

N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]decanamide; N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]octanamide, A 3:1 mixture of: 1-deoxy-1-[methyl-(1-oxododecyl)amino]-D-glucitol; 1-deoxy-1-[methyl-(1-oxotetradecyl)amino]-D-glucitol

2.3 Other hazards

There is no additional information.

SECTION 3: Composition/information on ingredients

3.1 Substances

not relevant (mixture)

3.2 Mixtures

Description of the mixture





Name of substance	Identifier	wt%	Classification acc. to 1272/2008/EC	Pictograms
glycerol	CAS No 56-81-5 EC No 200-289-5	5 - < 10		
1-Propanaminium, 3-amino-N- (carboxymethyl)-N,N-dimethyl-, N-(C12-18 (even numbered) acyl) derivs., hydroxides, inner salts	EC No 931-513-6	5 - < 10	Eye Dam. 1 / H318 Aquatic Chronic 3 / H412	

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Name of substance	Identifier	wt%	Classification acc. to 1272/2008/EC	Pictograms
N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]decanamide; N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]octanamide	EC No 940-284-1	5 – < 10	Acute Tox. 4 / H302 Acute Tox. 4 / H332 Eye Dam. 1 / H318	
A 3:1 mixture of: 1-deoxy-1-[methyl-(1-oxododecyl)amino]-D-glucitol; 1-deoxy-1-[methyl-(1-oxotetradecyl)amino]-D-glucitol	EC No 407-290-1	1 – < 5	Eye Dam. 1 / H318	
Propylene glycol	CAS No 57-55-6 EC No 200-338-0	1 – < 5		
D-gluconic acid, compound with N,N'-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1)	CAS No 18472-51-0 EC No 242-354-0	< 1	Eye Dam. 1 / H318 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410	
3-(2-ethylhexyloxy)propane-1,2-diol	CAS No 70445-33-9 EC No 408-080-2	< 1	Acute Tox. 4 / H332 Eye Dam. 1 / H318 Aquatic Chronic 3 / H412	

For full text of abbreviations: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

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4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

water spray, alcohol resistant foam, BC-powder, carbon dioxide (CO₂)

Unsuitable extinguishing media

water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

nitrogen oxides (NO_x)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advices on how to contain a spill

Covering of drains.

Advices on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage (sawdust, kieselgur (diatomite), sand, universal binder).

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

• Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

Incompatible substances or mixtures

Observe hints for combined storage.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

Cou ntry	Name of agent	CAS No	Identifi- er	TW A [pp m]	TWA [mg/m ³]	STE L [pp m]	STEL [mg/m ³]	Source	wt%
GB	glycerol	56-81-5	WEL		10			EH40/2005	5 – < 10
GB	propane-1,2-diol	57-55-6	WEL		10			EH40/2005	1 – < 5
GB	propane-1,2-diol	57-55-6	WEL	150	474			EH40/2005	1 – < 5

Notation

STEL Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period unless otherwise specified

TWA Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average

Relevant DNELs/DMELs/PNECs and other threshold levels

• relevant DNELs of components of the mixture

Name of sub- stance	CAS No	End- point	Threshold level	Protection goal, route of expos- ure	Used in	Exposure time
glycerol	56-81-5	DNEL	56 mg/m ³	human, inhalatory	worker (in- dustry)	chronic - local effects
1-Propanaminium, 3-amino-N- (carboxy-methyl)-N,N-di-methyl-, N-(C12-18 (even numbered) acyl) derivs., hydrox-ides, inner salts		DNEL	44 mg/m ³	human, inhalatory	worker (in- dustry)	chronic - systemic ef- fects
1-Propanaminium, 3-amino-N- (carboxy-methyl)-N,N-di-methyl-, N-(C12-18 (even numbered) acyl) derivs., hydrox-ides, inner salts		DNEL	12.5 mg/kg bw/day	human, dermal	worker (in- dustry)	chronic - systemic ef- fects

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Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]decanamide; N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]octanamide		DNEL	10.58 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]decanamide; N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]octanamide		DNEL	30 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
A 3:1 mixture of: 1-deoxy-1-[methyl-(1-oxododecyl)amino]-D-glucitol; 1-deoxy-1-[methyl-(1-oxotetradecyl)amino]-D-glucitol		DNEL	10.58 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
A 3:1 mixture of: 1-deoxy-1-[methyl-(1-oxododecyl)amino]-D-glucitol; 1-deoxy-1-[methyl-(1-oxotetradecyl)amino]-D-glucitol		DNEL	30 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Propylene glycol	57-55-6	DNEL	10 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
Propylene glycol	57-55-6	DNEL	168 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
D-gluconic acid, compound with N,N'-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1)	18472-51-0	DNEL	5 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
D-gluconic acid, compound with N,N'-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1)	18472-51-0	DNEL	0.42 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects

• relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
glycerol	56-81-5	PNEC	0.885 mg/l	aquatic organisms	freshwater	short-term (single instance)
glycerol	56-81-5	PNEC	1,000 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
glycerol	56-81-5	PNEC	3.3 mg/kg	benthic organisms	sediments	short-term (single instance)

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Name of sub-stance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
glycerol	56-81-5	PNEC	0.33 mg/kg	pelagic organisms	sediments	short-term (single instance)
glycerol	56-81-5	PNEC	0.141 mg/kg	terrestrial organisms	soil	short-term (single instance)
glycerol	56-81-5	PNEC	8.85 mg/l	aquatic organisms	water	intermittent release
glycerol	56-81-5	PNEC	0.0885 mg/l	aquatic organisms	marine water	short-term (single instance)
1-Propanaminium, 3-amino-N- (carboxymethyl)-N,N-dimethyl-, N-(C12-18 (even numbered) acyl) derivs., hydroxides, inner salts		PNEC	0.013 mg/l	aquatic organisms	freshwater	short-term (single instance)
1-Propanaminium, 3-amino-N- (carboxymethyl)-N,N-dimethyl-, N-(C12-18 (even numbered) acyl) derivs., hydroxides, inner salts		PNEC	0.001 mg/l	aquatic organisms	marine water	short-term (single instance)
1-Propanaminium, 3-amino-N- (carboxymethyl)-N,N-dimethyl-, N-(C12-18 (even numbered) acyl) derivs., hydroxides, inner salts		PNEC	3,000 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
1-Propanaminium, 3-amino-N- (carboxymethyl)-N,N-dimethyl-, N-(C12-18 (even numbered) acyl) derivs., hydroxides, inner salts		PNEC	1 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
1-Propanaminium, 3-amino-N- (carboxymethyl)-N,N-dimethyl-, N-(C12-18 (even numbered) acyl) derivs., hydroxides, inner salts		PNEC	0.1 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
1-Propanaminium, 3-amino-N- (carboxymethyl)-N,N-dimethyl-, N-(C12-18 (even numbered) acyl) derivs., hydroxides, inner salts		PNEC	0.8 mg/kg	terrestrial organisms	soil	short-term (single instance)
N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]decanamide; N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]octanamide		PNEC	10 mg/l	aquatic organisms	freshwater	short-term (single instance)

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Name of sub- stance	CAS No	End- point	Threshold level	Organism	Environ- mental com- partment	Exposure time
N-methyl-N- [(2S,3R,4R,5R)- 2,3,4,5,6-pentahy- droxyhexyl]decanam- ide; N-methyl-N- [(2S,3R,4R,5R)- 2,3,4,5,6-pentahy- droxyhexyl]octanam- ide		PNEC	1 mg/l	aquatic organisms	marine water	short-term (single in- stance)
N-methyl-N- [(2S,3R,4R,5R)- 2,3,4,5,6-pentahy- droxyhexyl]decanam- ide; N-methyl-N- [(2S,3R,4R,5R)- 2,3,4,5,6-pentahy- droxyhexyl]octanam- ide		PNEC	50 mg/l	aquatic organisms	sewage treat- ment plant (STP)	short-term (single in- stance)
N-methyl-N- [(2S,3R,4R,5R)- 2,3,4,5,6-pentahy- droxyhexyl]decanam- ide; N-methyl-N- [(2S,3R,4R,5R)- 2,3,4,5,6-pentahy- droxyhexyl]octanam- ide		PNEC	94 mg/kg	aquatic organisms	freshwater sedi- ment	short-term (single in- stance)
N-methyl-N- [(2S,3R,4R,5R)- 2,3,4,5,6-pentahy- droxyhexyl]decanam- ide; N-methyl-N- [(2S,3R,4R,5R)- 2,3,4,5,6-pentahy- droxyhexyl]octanam- ide		PNEC	9.4 mg/kg	aquatic organisms	marine sedi- ment	short-term (single in- stance)
N-methyl-N- [(2S,3R,4R,5R)- 2,3,4,5,6-pentahy- droxyhexyl]decanam- ide; N-methyl-N- [(2S,3R,4R,5R)- 2,3,4,5,6-pentahy- droxyhexyl]octanam- ide		PNEC	36.6 mg/kg	terrestrial organisms	soil	short-term (single in- stance)
A 3:1 mixture of: 1- deoxy-1-[methyl-(1- oxododecyl)amino]- D-glucitol; 1-deoxy-1- [methyl-(1-oxotet- radecyl)amino]-D-glu- citol		PNEC	0.43 mg/l	aquatic organisms	freshwater	short-term (single in- stance)
A 3:1 mixture of: 1- deoxy-1-[methyl-(1- oxododecyl)amino]- D-glucitol; 1-deoxy-1- [methyl-(1-oxotet- radecyl)amino]-D-glu- citol		PNEC	0.043 mg/l	aquatic organisms	marine water	short-term (single in- stance)
A 3:1 mixture of: 1- deoxy-1-[methyl-(1- oxododecyl)amino]- D-glucitol; 1-deoxy-1- [methyl-(1-oxotet- radecyl)amino]-D-glu- citol		PNEC	14 mg/l	aquatic organisms	sewage treat- ment plant (STP)	short-term (single in- stance)

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Name of sub- stance	CAS No	End- point	Threshold level	Organism	Environ- mental com- partment	Exposure time
A 3:1 mixture of: 1-deoxy-1-[methyl-(1-oxododecyl)amino]-D-glucitol; 1-deoxy-1-[methyl-(1-oxotetradecyl)amino]-D-glucitol		PNEC	1,320 mg/kg	aquatic organisms	freshwater sedi- ment	short-term (single in- stance)
A 3:1 mixture of: 1-deoxy-1-[methyl-(1-oxododecyl)amino]-D-glucitol; 1-deoxy-1-[methyl-(1-oxotetradecyl)amino]-D-glucitol		PNEC	132 mg/kg	aquatic organisms	marine sedi- ment	short-term (single in- stance)
A 3:1 mixture of: 1-deoxy-1-[methyl-(1-oxododecyl)amino]-D-glucitol; 1-deoxy-1-[methyl-(1-oxotetradecyl)amino]-D-glucitol		PNEC	36.6 mg/kg	terrestrial organisms	soil	short-term (single in- stance)
Propylene glycol	57-55-6	PNEC	260 mg/l	aquatic organisms	freshwater	short-term (single in- stance)
Propylene glycol	57-55-6	PNEC	26 mg/l	aquatic organisms	marine water	short-term (single in- stance)
Propylene glycol	57-55-6	PNEC	20,000 mg/l	microorganisms	sewage treat- ment plant (STP)	short-term (single in- stance)
Propylene glycol	57-55-6	PNEC	572 mg/kg	benthic organisms	sediments	short-term (single in- stance)
Propylene glycol	57-55-6	PNEC	57.2 mg/kg	pelagic organisms	sediments	short-term (single in- stance)
Propylene glycol	57-55-6	PNEC	50 mg/kg	terrestrial organisms	soil	short-term (single in- stance)
Propylene glycol	57-55-6	PNEC	183 mg/l	aquatic organisms	water	intermittent release
D-gluconic acid, com- pound with N,N"- bis(4-chlorophenyl)- 3,12-diimino- 2,4,11,13-tetraazatet- radecanediamidine (2:1)	18472- 51-0	PNEC	0.002 mg/l	aquatic organisms	freshwater	short-term (single in- stance)
D-gluconic acid, com- pound with N,N"- bis(4-chlorophenyl)- 3,12-diimino- 2,4,11,13-tetraazatet- radecanediamidine (2:1)	18472- 51-0	PNEC	0.0002 mg/l	aquatic organisms	marine water	short-term (single in- stance)
D-gluconic acid, com- pound with N,N"- bis(4-chlorophenyl)- 3,12-diimino- 2,4,11,13-tetraazatet- radecanediamidine (2:1)	18472- 51-0	PNEC	0.25 mg/l	microorganisms	sewage treat- ment plant (STP)	short-term (single in- stance)

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Name of sub- stance	CAS No	End- point	Threshold level	Organism	Environ- mental com- partment	Exposure time
D-gluconic acid, com- pound with N,N''- bis(4-chlorophenyl)- 3,12-diimino- 2,4,11,13-tetraazatet- radecanediamidine (2:1)	18472- 51-0	PNEC	0.433 mg/kg	benthic organisms	sediments	short-term (single in- stance)
D-gluconic acid, com- pound with N,N''- bis(4-chlorophenyl)- 3,12-diimino- 2,4,11,13-tetraazatet- radecanediamidine (2:1)	18472- 51-0	PNEC	0.0433 mg/kg	pelagic organisms	sediments	short-term (single in- stance)
D-gluconic acid, com- pound with N,N''- bis(4-chlorophenyl)- 3,12-diimino- 2,4,11,13-tetraazatet- radecanediamidine (2:1)	18472- 51-0	PNEC	5.26 mg/kg	terrestrial organisms	soil	short-term (single in- stance)
D-gluconic acid, com- pound with N,N''- bis(4-chlorophenyl)- 3,12-diimino- 2,4,11,13-tetraazatet- radecanediamidine (2:1)	18472- 51-0	PNEC	0.002 mg/l	aquatic organisms	water	intermittent release

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

• hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

• other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Colour	light yellow
Odour	characteristic

Other physical and chemical parameters

pH (value)	5,00 - 6,00
Melting point/freezing point	not determined
Initial boiling point and boiling range	not determined
Flash point	does not contain any ingredient having a flashpoint < 60 ° C (Article 14 of the CLP Regulation)
Evaporation rate	not determined
Flammability (solid, gas)	not relevant (fluid) non-flammable
Explosive limits	not determined
Vapour pressure	not determined
Density	0,990 - 1,030
Solubility(ies)	
Water solubility	miscible in any proportion
Partition coefficient	
n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	not determined
Viscosity	not determined
Explosive properties	none
Oxidising properties	none

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

Physical stresses which might result in a hazardous situation and have to be avoided

strong shocks

10.5 Incompatible materials

There is no additional information.

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

• Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	ATE
N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]decanamide; N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]octanamide		oral	500 mg/kg
N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]decanamide; N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]octanamide		inhalation: dust/mist	1.5 mg/l/4h
3-(2-ethylhexyloxy)propane-1,2-diol	70445-33-9	inhalation: vapour	11 mg/l/4h
3-(2-ethylhexyloxy)propane-1,2-diol	70445-33-9	inhalation: dust/mist	3.07 mg/l/4h

Name of substance	CAS No	Exposure route	Endpoint	Value	Species	Notes
glycerol	56-81-5	oral	LD50	23,000 mg/kg	mouse	
1-Propanamini-um, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18 (even numbered) acyl) derivs., hydrox-ides, inner salts		oral	LD50	2,335 mg/kg	rat	
1-Propanamini-um, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18 (even numbered) acyl) derivs., hydrox-ides, inner salts		dermal	LD50	>2,000 mg/kg	rat	
N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]decanamide; N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]octanamide		dermal	LD50	>2,000 mg/kg	rat	
A 3:1 mixture of: 1-deoxy-1-[methyl-(1-oxododecyl)amino]-D-glucitol; 1-deoxy-1-[methyl-(1-oxotetradecyl)amino]-D-glucitol		oral	LD50	>2,000 mg/kg	rat	

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Name of sub- stance	CAS No	Exposure route	Endpoint	Value	Species	Notes
A 3:1 mixture of: 1-deoxy-1- [methyl-(1-ox- ododecyl)amino]- D-glucitol; 1- deoxy-1-[methyl- (1- oxotetradecyl)am- ino]-D-glucitol		dermal	LD50	>2,000 mg/kg	rabbit	
Propylene glycol	57-55-6	oral	LD50	22,000 mg/kg	rat	
Propylene glycol	57-55-6	dermal	LD50	>2,000 mg/kg	rabbit	
D-gluconic acid, compound with N,N"-bis(4- chlorophenyl)- 3,12-diimino- 2,4,11,13-tet- raazatetradeca- nediamidine (2:1)	18472-51-0	oral	LD50	2,000 mg/kg	rat	
D-gluconic acid, compound with N,N"-bis(4- chlorophenyl)- 3,12-diimino- 2,4,11,13-tet- raazatetradeca- nediamidine (2:1)	18472-51-0	dermal	LD50	>5,000 mg/kg	rabbit	
3-(2-ethyl- hexyloxy)pro- pane-1,2-diol	70445-33-9	oral	LD50	>2,000 mg/kg	rat	
3-(2-ethyl- hexyloxy)pro- pane-1,2-diol	70445-33-9	inhalation: dust/mist	LC50	3.07 mg/l/4h	rat	
3-(2-ethyl- hexyloxy)pro- pane-1,2-diol	70445-33-9	dermal	LD50	>2,000 mg/kg	rat	

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

Specific target organ toxicity (STOT)

Shall not be classified as a specific target organ toxicant.

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

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SECTION 12: Ecological information

12.1 Toxicity

Harmful to aquatic life with long lasting effects.

Aquatic toxicity (acute)

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
glycerol	56-81-5	LC50	54,000 mg/l	fish	96 h
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18 (even numbered) acyl) derivs., hydroxides, inner salts		LC50	1.11 mg/l	fish	96 h
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18 (even numbered) acyl) derivs., hydroxides, inner salts		EC50	1.9 mg/l	aquatic invertebrates	48 h
N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]decanamide; N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]octanamide		LC50	>100 mg/l	fish	96 h
N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]decanamide; N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]octanamide		EC50	>100 mg/l	aquatic invertebrates	48 h
N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]decanamide; N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]octanamide		ErC50	>100 mg/l	algae	72 h
A 3:1 mixture of: 1-deoxy-1-[methyl-(1-oxododecyl)amino]-D-glucitol; 1-deoxy-1-[methyl-(1-oxotetradecyl)amino]-D-glucitol		LC50	7.5 mg/l	fish	96 h
A 3:1 mixture of: 1-deoxy-1-[methyl-(1-oxododecyl)amino]-D-glucitol; 1-deoxy-1-[methyl-(1-oxotetradecyl)amino]-D-glucitol		EC50	18 mg/l	aquatic invertebrates	48 h
A 3:1 mixture of: 1-deoxy-1-[methyl-(1-oxododecyl)amino]-D-glucitol; 1-deoxy-1-[methyl-(1-oxotetradecyl)amino]-D-glucitol		ErC50	30 mg/l	algae	96 h
Propylene glycol	57-55-6	LC50	40,613 mg/l	fish	96 h
Propylene glycol	57-55-6	ErC50	34,100 mg/l	algae	48 h
D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1)	18472-51-0	LC50	2.08 mg/l	fish	96 h
D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1)	18472-51-0	EC50	0.087 mg/l	aquatic invertebrates	48 h
D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1)	18472-51-0	ErC50	0.081 mg/l	algae	72 h

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Aquatic toxicity (chronic)

May cause long-term adverse effects in the aquatic environment.

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18 (even numbered) acyl) derivs., hydroxides, inner salts		EC50	>30 mg/l	aquatic invertebrates	24 h
N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]decanamide; N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]octanamide		LC50	>200 mg/l	fish	9 d
N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]decanamide; N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]octanamide		EC50	>1,000 mg/l	microorganisms	3 h
A 3:1 mixture of: 1-deoxy-1-[methyl-(1-oxododecyl)amino]-D-glucitol; 1-deoxy-1-[methyl-(1-oxotetradecyl)amino]-D-glucitol		EC50	>71 mg/l	microorganisms	3 h
D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1)	18472-51-0	EC50	35.8 µg/l	aquatic invertebrates	21 d

Biodegradation

The relevant substances of the mixture are readily biodegradable.

12.2 Persistence and degradability

Degradability of components of the mixture

Name of substance	CAS No	Process	Degradation rate	Time
Propylene glycol	57-55-6	oxygen depletion	106.8 %	28 d
Propylene glycol	57-55-6	carbon dioxide generation	81.7 %	28 d
Propylene glycol	57-55-6	DOC removal	98.3 %	28 d
D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1)	18472-51-0	DOC removal	52 %	7 d

12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
glycerol	56-81-5		-1.75 (pH value: 7.4, 25 °C)	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18 (even numbered) acyl) derivs., hydroxides, inner salts		3	1.79 (20 °C)	
N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]decanamide; N-methyl-N-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]octanamide			1.43 (pH value: 9.36, 20 °C)	

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Name of substance	CAS No	BCF	Log KOW	BOD5/COD
A 3:1 mixture of: 1-deoxy-1-[methyl-(1-oxododecyl)amino]-D-glucitol; 1-deoxy-1-[methyl-(1-oxotetradecyl)amino]-D-glucitol			2.97 (pH value: 5.73, 20 °C)	
Propylene glycol	57-55-6		-1.07 (20.5 °C)	
D-gluconic acid, compound with N,N'-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecane-diamidine (2:1)	18472-51-0		-1.81 (pH value: 5.3, 20.7 °C)	

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Relevant provisions relating to waste

Properties of waste which render it hazardous

not assigned

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

- | | | |
|------|--|--|
| 14.1 | UN number | (not subject to transport regulations) |
| 14.2 | UN proper shipping name | not relevant |
| 14.3 | Transport hazard class(es)
Class | - |
| 14.4 | Packing group | not relevant |
| 14.5 | Environmental hazards | none (non-environmentally hazardous acc. to the dangerous goods regulations) |
| 14.6 | Special precautions for user | There is no additional information. |
| 14.7 | Transport in bulk according to Annex II of MARPOL and the IBC Code | The cargo is not intended to be carried in bulk. |

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
Acute Tox.	Acute toxicity
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Acute	Hazardous to the aquatic environment - acute hazard
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
COD	Chemical oxygen demand
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EH40/2005	EH40/2005 Workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-licence/)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
log KOW	n-Octanol/water
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
STEL	Short-term exposure limit
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative
WEL	Workplace exposure limit

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Key literature references and sources for data

- Supplier
- ECHA (echa.europa.eu/fr)

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards/environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Disclaimer

This document has been prepared in compliance with the Regulation (EU) 453/2010 of the Commission of 20 May 2010 and the classification has been carried out in compliance with the Regulation (EC) 1272/2008 of the Parliament and the Council of 16 December 2008, from available data on the substance (s) or the mixture concerned by this document at its release date.

Information mentioned in this document is intended to ensure, safety on handling, use, processing, storage, transport, and placing on the market of the substance or the mixture.

This information may not be valid, if the substance or the mixture concerned by this document is used for another usage than the one mentioned in section 1 of this document.

The recipient of this safety data sheet remains responsible for its transmission within the downstream supply chain.

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