

SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form	: Mixture
Product name	: Mida FOAM 167 NF
UFI	: 79C2-06E6-T20K-7P62
Product code	: 762
Type of product	: Detergent

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

Main use category	: Industrial use, Professional use
Use of the substance/mixture	: Mild foam detergent

1.3. Details of the supplier of the safety data sheet
Manufacturer

Christeyns NV
Afrikalaan 182
9000 GENT
Belgium
T +32 (0)9/ 223 38 71, F +32 (0)9/ 233 03 44
info@christeyns.be, www.christeyns.com

Distributor

Christeyns Technologies Ireland Ltd
Station Road
F12 YW84 Newtown South Ballindine, Co. Mayo
Ireland
T 00353 94 936 4011
info@christeyns.ie, www.christeyns.com

Distributor

Christeyns Food Hygiene Ltd. Ltd
2, Cameron Court, Winwick Quay
GB WA2 8RE Warrington, Cheshire
United Kingdom
T +44 (0)1925 23 46 96
UK-foodinfo@christeyns.com, www.christeyns.com

1.4. Emergency telephone number

Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 1, Sub-Category 1A H314

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS05

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Signal word (CLP)	: Danger
Hazard statements (CLP)	: H314 - Causes severe skin burns and eye damage.
Precautionary statements (CLP)	: P280 - Wear eye protection, protective gloves, protective clothing. P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. 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 or doctor/physician.

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
tetrasodium ethylene diamine tetraacetate	CAS-no: 64-02-8 EC-No.: 200-573-9 EC Index-No.: 607-428-00-2 REACH-no: 01-2119486762-27	5 – 10	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1500 mg/m ³) Eye Dam. 1, H318 STOT RE 2, H373
Sodium dodecylbenzenesulfonate	CAS-no: 25155-30-0 EC-No.: 246-680-4 REACH-no: 01-2119565112-48	5 – 10	Acute Tox. 4 (Oral), H302 (ATE=1080 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether substance with national workplace exposure limit(s) (AT, BE, BG, CY, CZ, DE, DK, ES, FI, FR, GB, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, AL, IS, NO, MK, RS, CH, TR); substance with a Community workplace exposure limit	CAS-no: 112-34-5 EC-No.: 203-961-6 EC Index-No.: 603-096-00-8 REACH-no: 01-2119475104-44	5 – 10	Eye Irrit. 2, H319
TRIETHANOLAMINE substance with national workplace exposure limit(s) (AT, BE, CZ, DE, DK, EE, ES, FI, IE, LT, NL, PT, SE, IS, NO, MK, CH)	CAS-no: 102-71-6 EC-No.: 203-049-8 REACH-no: 01-2119486482-31	3 – 5	Not classified
Sodium p-cumenesulphonate	CAS-no: 15763-76-5 EC-No.: 239-854-6 REACH-no: 01-2119489411-37	≥ 3 – < 5	Eye Irrit. 2, H319
sodium hydroxide; caustic soda substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, LT, LV, PL, PT, RO, SE, SK, IS, NO, MK, CH, TR)	CAS-no: 1310-73-2 EC-No.: 215-185-5 EC Index-No.: 011-002-00-6 REACH-no: 01-2119457892-27	1 – 3	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318
(2-methoxymethylethoxy)propanol substance with national workplace exposure limit(s) (AT, BE, BG, CY, CZ, DE, EE, ES, GB, GI, GR, HR, HU, IE, LT, LU, LV, MT, NL, PT, RO, SE, SI, SK, AL, IS, NO, MK, RS, CH); substance with a Community workplace exposure limit	CAS-no: 34590-94-8 EC-No.: 252-104-2 REACH-no: 01-2119450011-60	1 – 3	Not classified
Alcohol ethoxylate (Polymer)	CAS-no: 69011-36-5 EC-No.: 500-241-6 REACH-no: Exempted (polymer)	1 – 3	Eye Dam. 1, H318 Aquatic Chronic 3, H412

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2,2'-iminodiethanol; diethanolamine substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GR, HR, IE, LT, NL, PT, SE, SI, IS, NO, MK, CH)	CAS-no: 111-42-2 EC-No.: 203-868-0 EC Index-No.: 603-071-00-1 REACH-no: 01-2119488930-28	0.1 – 1	Acute Tox. 4 (Oral), H302 (ATE=710 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 Repr. 2, H361fd STOT RE 2, H373

Specific concentration limits:			
Name	Product identifier	Specific concentration limits (%)	
sodium hydroxide; caustic soda	CAS-no: 1310-73-2 EC-No.: 215-185-5 EC Index-No.: 011-002-00-6 REACH-no: 01-2119457892-27	(0.5 ≤ C < 2) Eye Irrit. 2; H319 (0.5 ≤ C < 2) Skin Irrit. 2; H315 (2 ≤ C < 5) Skin Corr. 1B; H314 (5 ≤ C ≤ 100) Skin Corr. 1A; H314	

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice

: In case of doubt or persistent symptoms, consult always a physician. Only qualified personnel equipped with suitable protective equipment may intervene.

Inhalation

: Take victim to fresh air, in a quiet place and if necessary take medical advice.

Skin contact

: Wash off with plenty of water. In case of faintness or symptoms of skin irritation appear, take medical advice.

Eye contact

: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Ingestion

: Rinse mouth with water, do not induce vomiting, call a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Acute effects inhalation

: Presents no particular risk when handled in accordance with good occupational hygiene practice.

Acute effects skin

: Causes skin irritation.

Acute effects eyes

: Risk of damage to eyes.

Acute effects oral route

: Presents no particular risk when handled in accordance with good occupational hygiene practice.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

: All extinguishing agents can be used.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Protection during firefighting

: Use self-contained breathing apparatus and chemically protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

: Absorb spilled material with sand or earth. Shovel or sweep up and put in a closed container for disposal.

6.4. Reference to other sections

No additional information available

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Avoid contact with skin and eyes. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hygiene measures

: Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Keep only in original container. Keep out of frost.

Material(s) to avoid

: None known.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

2,2'-iminodiethanol; diethanolamine (111-42-2)

Ireland - Occupational Exposure Limits

Local name	Diethanolamine [2,2'-Iminodiethanol]
OEL TWA	1 mg/m ³ IFV (Inhalable Fraction and Vapour)
	0.2 ppm
Remark	Advisory OELV (Advisory Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2024

sodium hydroxide; caustic soda (1310-73-2)

Ireland - Occupational Exposure Limits

Local name	Sodium hydroxide
OEL STEL	2 mg/m ³
Remark	Advisory OELV (Advisory Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2024

United Kingdom - Occupational Exposure Limits

Local name	Sodium hydroxide
WEL STEL (OEL STEL)	2 mg/m ³
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

TRIETHANOLAMINE (102-71-6)

Ireland - Occupational Exposure Limits

Local name	Triethanolamine
OEL TWA	5 mg/m ³
Remark	Advisory OELV (Advisory Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2024

(2-methoxymethylethoxy)propanol (34590-94-8)

EU - Indicative Occupational Exposure Limit (IOEL)

Local name	(2-Methoxymethylethoxy)-propanol
IOEL TWA	308 mg/m ³
	50 ppm
Remark	Skin

Regulatory reference

COMMISSION DIRECTIVE 2000/39/EC

Ireland - Occupational Exposure Limits

Local name	(2-Methoxymethylethoxy)-1-propanol [Dipropylene glycol methyl ether]
OEL TWA	308 mg/m ³

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(2-methoxymethylethoxy)propanol (34590-94-8)

	50 ppm
Remark	IOELV (Indicative Occupational Exposure Limit Values), Skin (Substances which have the capacity to penetrate intact skin when they come in contact with it and be absorbed into the body. A substantial contribution to the total body burden via dermal exposure is possible)
Regulatory reference	Chemical Agents Code of Practice 2024
United Kingdom - Occupational Exposure Limits	
Local name	(2-methoxymethylethoxy) propanol
WEL TWA (OEL TWA)	308 mg/m ³
	50 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)

EU - Indicative Occupational Exposure Limit (IOEL)

Local name	2-(2-Butoxyethoxy)ethanol
IOEL TWA	67.5 mg/m ³
	10 ppm
IOEL STEL	101.2 mg/m ³
	15 ppm
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC

Ireland - Occupational Exposure Limits

Local name	2-(2-Butoxyethoxy)ethanol
OEL TWA	67.5 mg/m ³
	10 ppm
OEL STEL	101.2 mg/m ³
	15 ppm
Remark	IOELV (Indicative Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2024

United Kingdom - Occupational Exposure Limits

Local name	2-(2-Butoxyethoxy)ethanol
WEL TWA (OEL TWA)	67.5 mg/m ³
	10 ppm
WEL STEL (OEL STEL)	101.2 mg/m ³
	15 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.2. Exposure controls

Personal protection equipment

Eye and face protection

Eye protection:

Safety glasses with side-shields (EN 166)

Skin protection

Protective equipment:

Wear suitable protective clothing minimum (EN 13034) Type 6 equipment

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Hand protection:

Chemical resistant PVC gloves (to European standard EN 374 or equivalent)

Respiratory protection

Respiratory protection:

Ensure good ventilation

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: None.
Odour threshold	: Not available
Melting point/range	: < 0 °C
Freezing point	: Not determined as it is not relevant for the characterization of the product
Boiling point/Boiling range	: Not determined as it is not relevant for the characterization of the product
Flammability	: Not determined as it is not relevant for the characterization of the product
Lower explosion limit	: Constituents do not contain chemical groups associated with explosivity
Upper explosion limit	: Constituents do not contain chemical groups associated with explosivity
Flash point	: Not determined as it is not relevant for the characterization of the product
Autoignition temperature	: Determination of the auto-ignition temperature is only relevant for pyrophoric liquids, however the mixture is not a pyrophoric liquid so the test is not required.
Decomposition temperature	: Only applies to self-reactive substances and mixtures, organic peroxides, and other substances and mixtures that may decompose.
pH	: 13.5 11.4 ± 0.5 (1%); 13.5 ± 0.5 (100%)
pH solution concentration	: 100
Viscosity, kinematic	: 9 mm ² /s
Solubility	: Water: Soluble
Partition coefficient n-octanol/water (Log Kow)	: Does not apply to inorganic and ionic liquids and does not generally apply to mixtures.
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 1.07 kg/l
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

No decomposition if stored normally.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Never mix with other materials.

10.6. Hazardous decomposition products

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

tetrasodium ethylene diamine tetraacetate (64-02-8)

LD50 oral rat	1700 – 1913 mg/kg Source: EU RAR
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tetrasodium ethylene diamine tetraacetate (64-02-8)	
LD50 oral	1780 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	1 – 5 mg/l/4h
2,2'-iminodiethanol; diethanolamine (111-42-2)	
LD50 oral rat	1600 mg/kg
LD50 oral	710 mg/kg bodyweight
LD50 dermal rabbit	12970 ml/kg
LD50 dermal	12200 mg/kg bodyweight
Sodium dodecylbenzenesulfonate (25155-30-0)	
LD50 oral rat	1080 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	0.31 mg/l air Animal: rat, Animal sex: male
TRIETHANOLAMINE (102-71-6)	
LD50 oral rat	6400 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 oral	8000 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg
LD50 dermal rabbit	2000 mg/kg
LD50 dermal	> 10000 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	> 1.8 mg/l
Alcohol ethoxylate (69011-36-5)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
(2-methoxymethylethoxy)propanol (34590-94-8)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 19020 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	9510 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 3000 mg/m ³ Source: ECHA
Sodium p-cumenesulphonate (15763-76-5)	
LD50 oral rat	≥ 3346 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.1175 (Acute Oral Toxicity), 95% CL: 3196 - 3503
LD50 dermal rabbit	≥ 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity), Remarks on results: other:
LC50 Inhalation - Rat	> 5 mg/l 232 min
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)	
LD50 oral rat	5660 mg/kg
LD50 oral	5660 mg/kg bodyweight
LD50 dermal rabbit	2764 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 2090 - 3645
LD50 dermal	2764 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	> 196 mg/l

Skin corrosion/irritation : Causes severe skin burns.

pH: 13.5 11.4 ± 0.5 (1%); 13.5 ± 0.5 (100%)

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tetrasodium ethylene diamine tetraacetate (64-02-8)	
pH	11.3 Source: HSDB
2,2'-iminodiethanol; diethanolamine (111-42-2)	
pH	11 Source: HSDB
TRIETHANOLAMINE (102-71-6)	
pH	10.5
Serious eye damage/irritation	: Assumed to cause serious eye damage pH: 13.5 11.4 ± 0.5 (1%); 13.5 ± 0.5 (100%)
tetrasodium ethylene diamine tetraacetate (64-02-8)	
pH	11.3 Source: HSDB
2,2'-iminodiethanol; diethanolamine (111-42-2)	
pH	11 Source: HSDB
TRIETHANOLAMINE (102-71-6)	
pH	10.5
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
2,2'-iminodiethanol; diethanolamine (111-42-2)	
NOAEL (chronic, oral, animal/male, 2 years)	64 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 451 (Carcinogenicity Studies), Remarks on results: other:Effect type: carcinogenicity (migrated information)
IARC group	2B - Possibly carcinogenic to humans
TRIETHANOLAMINE (102-71-6)	
NOAEL (chronic, oral, animal/male, 2 years)	63 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 451 (Carcinogenicity Studies)
IARC group	3 - Not classifiable
Sodium p-cumenesulphonate (15763-76-5)	
NOAEL (chronic, oral, animal/female, 2 years)	≥ 60 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:
Reproductive toxicity	: Not classified
tetrasodium ethylene diamine tetraacetate (64-02-8)	
NOAEL (animal/male, F1)	> 250 mg/kg
TRIETHANOLAMINE (102-71-6)	
NOAEL (animal/male, F0/P)	1000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study), Guideline: other:, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)
NOAEL (animal/female, F0/P)	300 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study), Guideline: other:, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)
(2-methoxymethylethoxy)propanol (34590-94-8)	
NOAEL (animal/male, F0/P)	300 mg/kg
NOAEL (animal/male, F1)	1000 mg/kg
Sodium p-cumenesulphonate (15763-76-5)	
LOAEL (animal/male, F1)	1000 mg/kg bodyweight 24 hours
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)	
NOAEL (animal/male, F0/P)	> 452 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: other:

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2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)

NOAEL (animal/female, F0/P)	> 470 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: other:
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

tetrasodium ethylene diamine tetraacetate (64-02-8)

LOAEL (oral, rat, 90 days)	60 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.015 mg/l air Animal: rat, Animal sex: female, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
NOAEL (oral, rat, 90 days)	≥ 500 mg/kg bodyweight Animal: rat, Animal sex: male
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

2,2'-iminodiethanol; diethanolamine (111-42-2)

LOAEL (dermal, rat/rabbit, 90 days)	32 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Sodium dodecylbenzenesulfonate (25155-30-0)

LOAEL (oral, rat, 90 days)	200 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
LOAEL (dermal, rat/rabbit, 90 days)	286 mg/kg bodyweight Animal: rat, Animal sex: male
NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (dermal, rat/rabbit, 90 days)	< 286 mg/kg bodyweight Animal: rat, Animal sex: male

TRIETHANOLAMINE (102-71-6)

NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
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(2-methoxymethylethoxy)propanol (34590-94-8)

NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: other:
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Sodium p-cumenesulphonate (15763-76-5)

NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
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2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)

NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	< 200 mg/kg bodyweight Animal: rat, Guideline: other, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

Aspiration hazard : Not classified

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Viscosity, kinematic	9 mm ² /s
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2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)

Viscosity, kinematic	6.794 mm ² /s
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11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

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Hazardous to the aquatic environment, long-term (chronic) : Not classified

tetrasodium ethylene diamine tetraacetate (64-02-8)

LC50 - Fish [1]	> 121 mg/l
EC50 - Crustacea [1]	140 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	625 mg/l waterflea
EC50 - Other aquatic organisms [2]	2.77 mg/l
EC50 72h - Algae [1]	> 60 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
LOEC (chronic)	50 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	25 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	≥ 25.7 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '35 d'
NOEC chronic crustacea	> 25 mg/l Daphnia magna (Water flea)

2,2'-iminodiethanol; diethanolamine (111-42-2)

LC50 - Fish [1]	1460 mg/l
EC50 - Crustacea [1]	55 mg/l
EC50 - Other aquatic organisms [1]	55 mg/l waterflea
EC50 - Other aquatic organisms [2]	75 mg/l
ErC50 algae	2.2 mg/l
LOEC (chronic)	1.56 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.78 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	> 1 mg/l Test organisms (species): other:freshwater fish

Sodium dodecylbenzenesulfonate (25155-30-0)

EC50 72h - Algae [1]	65.4 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	21 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

sodium hydroxide; caustic soda (1310-73-2)

LC50 - Fish [1]	> 35 mg/l
EC50 - Crustacea [1]	40.4 mg/l (Ceriodaphnia)
EC50 - Other aquatic organisms [1]	> 33 mg/l waterflea

TRIETHANOLAMINE (102-71-6)

LC50 - Fish [1]	11800 mg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	450 – 7900 ml/l
EC50 - Crustacea [1]	609.88 mg/l Test organisms (species): Ceriodaphnia dubia
EC50 - Crustacea [2]	> 2500 mg/l Daphnia magna (Water flea)
EC50 - Other aquatic organisms [1]	2038 mg/l waterflea
EC50 - Other aquatic organisms [2]	216 mg/l
EC50 72h - Algae [1]	512 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	216 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
ErC50 algae	169 mg/l
NOEC chronic fish	> 1 mg/l Test organisms (species): other:

Alcohol ethoxylate (69011-36-5)

LC50 - Fish [1]	4.6 mg/l (Leuciscus idus)
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Alcohol ethoxylate (69011-36-5)	
EC50 - Crustacea [1]	2.4 mg/l
ErC50 algae	2.9 mg/l (<i>Scenedesmus subspicatus</i>)
NOEC chronic fish	> 0.1 mg/l
(2-methoxymethylethoxy)propanol (34590-94-8)	
LC50 - Fish [1]	> 1000 mg/l Test organisms (species): <i>Poecilia reticulata</i>
EC50 - Crustacea [1]	1919 mg/l <i>Daphnia magna</i> (Water flea)
EC50 - Other aquatic organisms [1]	1930 mg/l Test organisms (species): other aquatic crustacea:
EC50 72h - Algae [1]	> 969 mg/l Test organisms (species): <i>Pseudokirchneriella subcapitata</i> (previous names: <i>Raphidocelis subcapitata</i> , <i>Selenastrum capricornutum</i>)
EC50 96h - Algae [1]	> 969 mg/l Test organisms (species): <i>Pseudokirchneriella subcapitata</i> (previous names: <i>Raphidocelis subcapitata</i> , <i>Selenastrum capricornutum</i>)
LOEC (chronic)	0.5 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '22 d'
NOEC (chronic)	≥ 0.5 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '22 d'
NOEC chronic crustacea	0.5 mg/l <i>Daphnia magna</i> , 22 days
Sodium p-cumenesulphonate (15763-76-5)	
LC50 - Fish [1]	≥ 1580 mg/l Test organisms (species): <i>Oncorhynchus mykiss</i> (previous name: <i>Salmo gairdneri</i>)
EC50 - Crustacea [1]	> 1020 mg/l Test organisms (species): <i>Daphnia magna</i>
EC50 96h - Algae [1]	≥ 758 mg/l Test organisms (species): <i>Pseudokirchneriella subcapitata</i> (previous names: <i>Raphidocelis subcapitata</i> , <i>Selenastrum capricornutum</i>)
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)	
LC50 - Fish [1]	1300 mg/l Test organisms (species): <i>Lepomis macrochirus</i>
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): <i>Daphnia magna</i>
EC50 - Other aquatic organisms [1]	> 1000 mg/l waterflea
EC50 - Other aquatic organisms [2]	> 100 mg/l
EC50 96h - Algae [1]	> 100 mg/l Test organisms (species): <i>Desmodesmus subspicatus</i> (previous name: <i>Scenedesmus subspicatus</i>)
ErC50 algae	> 100 mg/l <i>Scenedesmus subspicatus</i>
12.2. Persistence and degradability	
Mida FOAM 167 NF	
Persistence and degradability	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.
tetrasodium ethylene diamine tetraacetate (64-02-8)	
Persistence and degradability	Not rapidly degradable
2,2'-iminodiethanol; diethanolamine (111-42-2)	
Persistence and degradability	Biodegradable.
Sodium dodecylbenzenesulfonate (25155-30-0)	
Persistence and degradability	Readily biodegradable.
sodium hydroxide; caustic soda (1310-73-2)	
Persistence and degradability	The methods for determining biodegradability are not applicable to inorganic substances.
TRIETHANOLAMINE (102-71-6)	
Persistence and degradability	Not rapidly degradable
Biodegradation	97 % 28 days; OECD 301 A

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Alcohol ethoxylate (69011-36-5)	
Persistence and degradability	Readily biodegradable, according to appropriate OECD test.
(2-methoxymethylethoxy)propanol (34590-94-8)	
Persistence and degradability	Not rapidly degradable
Biodegradation	75 % 28 days
Sodium p-cumenesulphonate (15763-76-5)	
Persistence and degradability	Not rapidly degradable
Biodegradation	> 60 % 28 days; OECD 301 B
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)	
Persistence and degradability	Rapidly degradable
Biodegradation	89 – 93 % 28 days, OECD 301 C
12.3. Bioaccumulative potential	
Mida FOAM 167 NF	
Partition coefficient n-octanol/water (Log Kow)	Does not apply to inorganic and ionic liquids and does not generally apply to mixtures.
Bioaccumulative potential	No bioaccumulation.
tetrasodium ethylene diamine tetraacetate (64-02-8)	
Log Pow	-0.43
2,2'-iminodiethanol; diethanolamine (111-42-2)	
Partition coefficient n-octanol/water (Log Kow)	-2.46
Sodium dodecylbenzenesulfonate (25155-30-0)	
Partition coefficient n-octanol/water (Log Kow)	1.96
Bioaccumulative potential	Bioaccumulation unlikely.
sodium hydroxide; caustic soda (1310-73-2)	
Log Pow	-3.88
Bioaccumulative potential	No bioaccumulation.
TRIETHANOLAMINE (102-71-6)	
BCF - Fish [1]	< 0.4 Cyprinus carpio, OECD 305 C
Log Pow	-1.6
Alcohol ethoxylate (69011-36-5)	
Partition coefficient n-octanol/water (Log Kow)	4.73
Bioaccumulative potential	There is no bioaccumulation.
(2-methoxymethylethoxy)propanol (34590-94-8)	
Log Pow	0.004
Sodium p-cumenesulphonate (15763-76-5)	
Partition coefficient n-octanol/water (Log Kow)	0.07
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)	
Log Pow	0.56
12.4. Mobility in soil	
2,2'-iminodiethanol; diethanolamine (111-42-2)	
Mobility in soil	1 – 10 Source: ECHA
12.5. Results of PBT and vPvB assessment	
No additional information available	
12.6. Endocrine disrupting properties	
No additional information available	

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12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste / unused products

: Collect all waste in suitable and labelled containers and dispose according to local legislation.

European List of Waste (LoW, EC 2000/532)

: 20 01 29* - detergents containing dangerous substances

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
14.1. UN number or ID number		
UN 1719	UN 1719	UN 1719
14.2. UN proper shipping name		
CAUSTIC ALKALI LIQUID, N.O.S. (Tetrasodium Ethylene Diamine Tetraacetate)	CAUSTIC ALKALI LIQUID, N.O.S. (Tetrasodium Ethylene Diamine Tetraacetate)	Caustic alkali liquid, n.o.s. (Tetrasodium Ethylene Diamine Tetraacetate)
Transport document description		
UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (Tetrasodium Ethylene Diamine Tetraacetate), 8, III, (E)	UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (Tetrasodium Ethylene Diamine Tetraacetate), 8, III	UN 1719 Caustic alkali liquid, n.o.s. (Tetrasodium Ethylene Diamine Tetraacetate), 8, III
14.3. Transport hazard class(es)		
8	8	8
14.4. Packing group		
III	III	III
14.5. Environmental hazards		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available		

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: C5
Special provisions (ADR)	: 274
Limited quantities (ADR)	: 5I
Packing instructions (ADR)	: P001, IBC03, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T7
Portable tank and bulk container special provisions (ADR)	: TP1, TP28
Tank code (ADR)	: L4BN
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Hazard identification number (Kemler No.)	: 80
Orange plates	:
Tunnel code	: E

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EAC code : 2R

Transport by sea

Special provisions (IMDG) : 223, 274
Packing instructions (IMDG) : P001
IBC packing instructions (IMDG) : IBC03

Air transport

PCA Limited quantities (IATA) : Y841
PCA limited quantity max net quantity (IATA) : 1L
PCA packing instructions (IATA) : 852
PCA max net quantity (IATA) : 5L
CAO packing instructions (IATA) : 856
CAO max net quantity (IATA) : 60L
Special provisions (IATA) : A3, A803

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items: Triethanolamine (102-71-6).

Detergent Regulation (EC 648/2004)

Labelling of contents

Component	%
EDTA and salts thereof, anionic surfactants	5-15%
non-ionic surfactants	<5%

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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SECTION 16: Other information

Indication of changes

Section	Changed item	Comments
	Date first issue	Added
	Supersedes	Modified
	Review date	Modified
	Concentration of the solution used for the pH measurement	Added
1.1	Name	Modified
9.1	Flash point	Added
9.1	Boiling point/Boiling range	Added
9.1	Flammability (solid, gas)	Added
9.1	Autoignition temperature	Added
9.1	Freezing point	Added
9.1	Viscosity, kinematic	Added
9.1	Upper explosive limit (UEL)	Added
9.1	Lower explosive limit (LEL)	Added
9.1	Explosive limits (g/m ³)	Added
9.1	Decomposition temperature	Added
9.1	Log Kow	Added
12.3	Log Kow	Added
13.1	HP Code	Added

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
ErC50 (algae)	ErC50 (algae)
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

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Abbreviations and acronyms:

SDS	Safety Data Sheet
STP	Sewage treatment plant
vPvB	Very Persistent and Very Bioaccumulative

Other information

: It is recommended to pass the information from this safety data sheet in an appropriate form to the users. The information is currently to the best of our knowledge and believed to be accurate and reliable. This information relates to the specifically named product and may not be valid in combination with other products.
This safety data sheet is in compliance with 1907/2006/EEC. It is the responsibility of the user to take all necessary measures to meet local required laws and regulations. The producer is not responsible for any damage and loss due to the use of information mentioned in this safety data sheet.

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Skin Corr. 1A	H314	On basis of test data
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Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.