

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

1.1. Product identifier

Product form : Mixture
 Trade name : Mida ENZY 1005
 Product code : ES-IT-G8011
 Type of product : Detergent
 Product group : CFH Product

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

Relevant identified uses

Main use category : Professional uses, Industrial use
 Use of the substance/mixture : Enzymatic detergent
 Liquid detergent with enzymatic action

Uses advised against

Restrictions on use : The product should not be used for purposes other than those shown above without first referring to the supplier and obtaining written handling instructions

1.3. Details of the supplier of the safety data sheet

Supplier

Christeyns España, S.L.U.
 C/ Científica Margarita Salas Falgueras, 2
 P.I. Raconc
 ES 46729 Ador - Valencia, Spain, Valencia
 Spain
 T +34 962 871 345, F +34 962 875 867
info.ES@christeyns.com, www.christeyns.com

Distributor

Christeyns UK Ltd.
 Rutland Street
 GB Bradford BD4 7EA
 United Kingdom
 T +44 (0)1274 39 32 86, F +44 (0)1274 30 91 43
info@christeyns.be, www.christeyns.com

Distributor

Christeyns Food Hygiene Ltd. Ltd
 2, Cameron Court, Winwick Quay
 GB WA2 8RE Warrington, Cheshire
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 T +44 (0)1925 23 46 96
UK-foodinfo@christeyns.com, 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 Technologies Ltd.
 Mazars, Block 3, Harcourt Centre, Harcourt Road
 IE 2 Dublin
 Ireland
 T +353 1 8146022

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]

Serious eye damage/eye irritation, Category 1 H318

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

Adverse physicochemical, human health and environmental effects

Causes serious eye damage.

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2.2. Label elements

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

Hazard pictograms (CLP)



GHS05

Signal word (CLP)

: Danger

Contains

: Sodium 2-ethylhexylsulphate; Diethanolamine

Hazard statements (CLP)

: H318 - Causes serious eye damage.

Precautionary statements (CLP)

: P280 - Wear protective clothing, eye protection, face protection.
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.

EUH-statements

: EUH208 - Contains SUBTILISIN. May produce an allergic reaction.

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ 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]
Monopropyleneglycol substance with national workplace exposure limit(s) (GB, HR, IE, LT, LV, PL, NO)	CAS-no: 57-55-6 EC-No.: 200-338-0 REACH-no: 01-2119456809-23	10 – 30	Not classified
Sodium 2-ethylhexylsulphate	CAS-no: 126-92-1 EC-No.: 204-812-8 REACH-no: 01-2119971586-23	3 – 5	Skin Irrit. 2, H315 Eye Dam. 1, H318
2,2',2''-nitrilotriethanol 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	1 – 3	Not classified
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	1 – 3	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
subtilisin substance with national workplace exposure limit(s) (DK, ES, GB, HR, IE, PT, IS)	CAS-no: 9014-01-1 EC-No.: 232-752-2 EC Index-No.: 647-012-00-8 REACH-no: 01-2119480434-38	$\geq 0.1 - < 1$	Acute Tox. 4 (Oral), H302 (ATE=1800 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp. Sens. 1, H334 STOT SE 3, H335 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411
2,2'-iminodiethanol; diethanolamine substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, 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 STOT RE 2, H373

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

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SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
Inhalation	: Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.
Skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water.
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. Call a physician immediately.
Ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell.

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

Acute effects eyes	: Causes serious eye damage. Serious damage to eyes.
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Toxic fumes may be released.
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5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures	: Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes.
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For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
Other information	: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

See Section 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures	: Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Store in a well-ventilated place. Keep cool.
Incompatible products	: Strong bases. Strong acids.

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Incompatible materials	: Sources of ignition. Direct sunlight.
Maximum storage period	: ≈ 18 months
Storage temperature	: 5 – 25 °C
Material(s) to avoid	: Oxidising compounds.
Storage area	: Limited time of storage. Store in a cool, well-ventilated place. Store away from direct sunlight or other heat sources.
Special rules on packaging	: Keep only in original container.
Packaging materials	: Keep only in the original container in a cool,well-ventilated place away from combustible materials.

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',2''-nitrilotriethanol (102-71-6)	
Ireland - Occupational Exposure Limits	
Local name	Triethanolamine
OEL TWA	5 mg/m³
Remark	Advisory OELV (Advisory Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2024
2,2'-iminodiethanol; diethanolamine (111-42-2)	
Ireland - Occupational Exposure Limits	
Local name	Diethanolamine [2,2'-Iminodiethanol]
OEL TWA	1 mg/m³ IFV (Inhable Fraction and Vapour) 0.2 ppm
Remark	Advisory OELV (Advisory Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2024
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	13 mg/m³ 3 ppm
subtilisin (9014-01-1)	
Ireland - Occupational Exposure Limits	
Local name	Subtilisins (proteolytic enzymes as 100% pure crystalline enzyme)
OEL TWA	0.00006 mg/m³
OEL STEL	0.00006 mg/m³
Remark	Advisory OELV (Advisory Occupational Exposure Limit Values), Sens (In the workplace, respiratory or dermal exposures to sensitising agents may occur. Sensitisers may evoke respiratory or dermal reactions, e.g. asthma, rhinitis and allergic contact dermatitis. The “sens” notation alone does not distinguish between respiratory or dermal sensitisation. Chemical agents that are sensitisers present special problems in the workplace. Should an employee become sensitised, subsequent exposure may cause intense responses, even at low exposure concentrations well below the OELV. Exposure should be eliminated or significantly reduced through control measures such as engineering and process controls and use of personal protective equipment (PPE))
Regulatory reference	Chemical Agents Code of Practice 2024
United Kingdom - Occupational Exposure Limits	
Local name	Subtilisins (Bacillus subtilis Carlsberg)
WEL TWA (OEL TWA)	0.00004 mg/m³
Remark	Sen (Capable of causing occupational asthma. See paragraphs 53–56)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

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Monopropyleneglycol (57-55-6)	
Ireland - Occupational Exposure Limits	
Local name	Propane-1,2-diol [Propylene glycol]
OEL TWA	470 mg/m ³ total (vapour and particulates) 10 mg/m ³ particulates
	150 ppm total (vapour and particulates)
Regulatory reference	Chemical Agents Code of Practice 2024
United Kingdom - Occupational Exposure Limits	
Local name	Propane-1,2-diol
WEL TWA (OEL TWA)	10 mg/m ³ particulates 474 mg/m ³ total vapour and particulates
	150 ppm total vapour and particulates
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
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

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Good ventilation of the workplace required. Measure concentrations regularly, and at the time of any change occurring in conditions likely to have consequences on workers exposure. Do not exceed the occupational exposure limits (OEL).

Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Chemical goggles or safety glasses. Safety glasses. Eye protection should only be necessary where liquid could be splashed or sprayed. Use eye protection according to EN 166.

Skin protection

Protective equipment:

Wear suitable protective clothing

Hand protection:

Protective gloves against chemicals (EN 374)

Other skin protection

Materials for protective clothing:

Wear protective clothing

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Respiratory protection

Respiratory protection:

Wear appropriate mask. Provide adequate ventilation. Type P3

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellowish.
Physical state/form	: Liquid (20°C).
Odour	: Characteristic.
Odour threshold	: Not available
Melting point/range	: ≥ 100 °C
Freezing point	: Not available
Boiling point/Boiling range	: Not available
Flammability	: Non flammable.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Autoignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 8 – 8.2 100%
Viscosity, kinematic	: Not available
Solubility	: soluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 1.055 – 1.075 (20°C)
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

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon 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

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2,2',2''-nitritotriethanol (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
2,2'-iminodiethanol; diethanolamine (111-42-2)	
LD50 oral rat	1600 mg/kg Source: ECHA
LD50 oral	710 mg/kg bodyweight
LD50 dermal	12200 mg/kg bodyweight
subtilisin (9014-01-1)	
LD50 oral rat	1800 mg/kg
LD50 dermal rabbit	> 2 ml/kg
LC50 Inhalation - Rat (Vapours)	0.8 mg/l/4h
Monopropyleneglycol (57-55-6)	
LD50 oral rat	20 g/kg
LD50 dermal rat	22500 mg/kg
LD50 dermal rabbit	20800 mg/kg
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
Skin corrosion/irritation	: Not classified pH: 8 – 8.2 100%
Additional information	: Based on available data, the classification criteria are not met
2,2',2''-nitritotriethanol (102-71-6)	
pH	10.5
2,2'-iminodiethanol; diethanolamine (111-42-2)	
pH	11 Source: HSDB
Diethanolamine (111-42-2)	
pH	11 Source: HSDB
Serious eye damage/irritation	: Causes serious eye damage. pH: 8 – 8.2 100%
2,2',2''-nitritotriethanol (102-71-6)	
pH	10.5
2,2'-iminodiethanol; diethanolamine (111-42-2)	
pH	11 Source: HSDB
Diethanolamine (111-42-2)	
pH	11 Source: HSDB
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified

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Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met

2,2',2"-nitrilotriethanol (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

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:
IARC group	2B - Possibly carcinogenic to humans

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

Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met

subtilisin (9014-01-1)

STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met

2,2',2"-nitrilotriethanol (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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2,2'-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)
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.003 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

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.

Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met

Monopropyleneglycol (57-55-6)

Viscosity, kinematic	41.892 mm²/s
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11.2. Information on other hazards

Other information

Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met
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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
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Hazardous to the aquatic environment, short-term (acute) : Not classified

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

2,2',2''-nitrilotriethanol (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:

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

LC50 - Fish [1]	460 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	30.1 mg/l Test organisms (species): Ceriodaphnia dubia
EC50 - Crustacea [2]	89.9 mg/l Test organisms (species): Ceriodaphnia dubia
EC50 - Other aquatic organisms [1]	55 mg/l waterflea
EC50 - Other aquatic organisms [2]	75 mg/l
EC50 72h - Algae [1]	9.5 mg/l Source: ECHA
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:

subtilisin (9014-01-1)

LC50 - Fish [1]	8.2 mg/l
EC50 - Crustacea [1]	0.17 mg/l
NOEC chronic crustacea	0.5 mg/l
NOEC chronic algae	0.63 mg/l

Monopropyleneglycol (57-55-6)

LC50 - Fish [1]	51400 mg/l
LC50 - Fish [2]	51600 mg/l
EC50 - Crustacea [1]	34400 mg/l

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

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12.2. Persistence and degradability

Mida ENZY 1005	
Persistence and degradability	Not established.
2,2',2''-nitrilotriethanol (102-71-6)	
Persistence and degradability	Not rapidly degradable
Biodegradation	97 % 28 days; OECD 301 A
2,2'-iminodiethanol; diethanolamine (111-42-2)	
Persistence and degradability	Not rapidly degradable
subtilisin (9014-01-1)	
Persistence and degradability	Rapidly degradable
Monopropyleneglycol (57-55-6)	
Persistence and degradability	Rapidly degradable
Sodium 2-ethylhexylsulphate (126-92-1)	
Persistence and degradability	Rapidly degradable
Diethanolamine (111-42-2)	
Persistence and degradability	Biodegradable.

12.3. Bioaccumulative potential

Mida ENZY 1005	
Bioaccumulative potential	Not established.
2,2',2''-nitrilotriethanol (102-71-6)	
BCF - Fish [1]	< 0.4 Cyprinus carpio, OECD 305 C
Log Pow	-1.6
2,2'-iminodiethanol; diethanolamine (111-42-2)	
Log Pow	-1.4
Monopropyleneglycol (57-55-6)	
Log Pow	-1.36
Diethanolamine (111-42-2)	
Log Pow	-1.4

12.4. Mobility in soil

2,2'-iminodiethanol; diethanolamine (111-42-2)	
Mobility in soil	1 – 10 Source: ECHA
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

12.7. Other adverse effects

Mida ENZY 1005	
Other information	Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Waste / unused products	: Avoid release to the environment.

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SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
14.1. UN number or ID number		
Not regulated for transport		
14.2. UN proper shipping name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

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 (648/2004)

Labelling of contents	
Component	%
non-ionic surfactants	5-15%
anionic surfactants	<5%
enzymes	

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Explosives Precursors Regulation (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 (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

SECTION 16: Other information

Indication of changes		
Section	Changed item	Comments
1.2	Function or use category	Removed

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
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
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified

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Abbreviations and acronyms:

vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disruptor

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Repr. 2	Reproductive toxicity, Category 2
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
EUH208	Contains SUBTILISIN. May produce an allergic reaction.

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

Eye Dam. 1	H318	Calculation method
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The classification complies with : ATP 12

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.