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	Date : November 11, 2022
	Supersedes : 02/26/2019
NEUTROSTAT B	

According to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier

Product form : Mixture
Product name : Neutrostat B
Product code : 511604000

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

1.2.1. Relevant identified uses

Main use category : Industrial
Use of the substance/mixture : Antistatic

1.2.2. Uses advised against

No additional information available

1.3 Details of the supplier of the safety data sheet

SIMCO (Nederland) BV
Aalsvoort 74
7241MB Lochem, the Netherlands
Tel: +31 573 288 333
e-mail: general@simco-ion.nl

1.4 Emergency telephone number

Emergency number : +31 573 288 333 / EU: 112

Country	Official advisory body	Address	Emergency number	Comment
Netherlands	Nationaal Vergiftigingen Informatie Centrum	Huispostnummer B.00.118 Postbus 85500 3508 GA Utrecht	+31 88 755 80 00	Only for the purpose of informing medical personnel in cases of acute intoxications

2 HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] with its amendment
Regulation (EU) 2016/1179

Serious eye damage/eye irritation, Category 1 H318
Hazardous to the aquatic environment – Chronic Hazard, Category 2 H411

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

Adverse physicochemical, human health and environmental effects

Causes serious eye damage. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Safety data sheet available for professional user on request.

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

Hazard pictograms :
(CLP)



GHS05



GHS09

Signal word (CLP) : Danger

Contains : Reaction mass of Reaction product of 1-chloro-3-[[1-chloro-3-(dodecyloxy)propan-2-yl]oxy]propan-2-ol with methyl diethanolamine and [3-(dodecyloxy)-2-hydroxypropyl]bis(2-hydroxyethyl)methylammonium chloride

Hazard statements (CLP) : H318 - Causes serious eye damage.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P280 - Wear eye 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, a POISON CENTER.
P391 - Collect spillage.
P501 - Dispose of contents and container to an approved waste disposal plant.

2.3. Other Hazards

Contains no PBT/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 is 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 %

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3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Reaction mass of Reaction product of 1-chloro-3-[[1-chloro-3-(dodecyloxy)propan-2-yl]oxy]propan-2-ol with methyl diethanolamine and [3-(dodecyloxy)-2-hydroxypropyl] bis(2-hydroxyethyl) methylammonium chloride	EC-No.: 947-953-7 REACH-no: 01-2120771572-51	3 - 10	Acute Tox. 4 (Oral), H302 (ATE=300 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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

4 FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand. Call a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. In case of breathing difficulties administer oxygen. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: Remove contaminated clothes. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting without medical advice. Call a poison center or a doctor if you feel unwell.

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

Symptoms/ effects after eye contact : No Serious damage to eyes.

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

Treat symptomatically.

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5 FIREFIGHTING MEASURES

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Presents no particular fire or explosion hazard.
Hazardous decomposition : Toxic fumes may be released. Carbon oxides (CO, CO₂).
products in case of fire

5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Prevent fire fighting water from entering the environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

6 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel. Avoid contact with skin and eyes.

6.1.2. For emergency responders

- 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

Do not allow to enter drains or water courses. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.

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Other information : Dispose in a safe manner in accordance with local/national regulations. Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

Concerning disposal elimination after cleaning, see section 13.

7 HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin and eyes. Wear personal protective equipment. Concerning personal protective equipment to use, see section 8.

Hygiene measures : 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. Keep container closed when not in use.

Incompatible products : Oxidizing agent.

Heat and ignition sources : Keep away from heat and direct sunlight.

Packaging materials : Unsuitable materials: carbon steel. Suitable material: Stainless steel, synthetic material.

7.3. Specific end use(s)

No additional information available

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

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8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Safety glasses.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses. DIN EN 166

Eye protection			
Type	Field of application	Characteristics	Standard
Protective goggles	Droplet	With side shields	EN 166

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing. CEN : EN 340; EN 369; EN 465

Hand protection:

Wear suitable gloves resistant to chemical penetration. Chemical resistant gloves (according to European standard NF EN 374 or equivalent)

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Gloves	Viton® II, Nitrile rubber (NBR), Butyl rubber	6 (> 480 minutes)	≥0.11		EN ISO 374

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8.2.2.3. Respiratory protection

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. In case of inadequate ventilation wear respiratory protection.
EN 143

Respiratory protection			
Device	Filter type	Condition	Standard
Aerosol mask	Type A - High-boiling (>65 °C) organic compounds	Vapour protection, Protection for Liquid particles	EN 143

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke during use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Pale
Odour	: Almost odourless
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: ~ 100 °C
Flammability	: Not available
Explosive properties	: Product is not explosive
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 100 °C (ASTM D6450)
Auto-ignition temperature	: The product does not ignite on its own.
Decomposition temperature	: Not available
pH	: 5 – 6 (ASTM D1172)
Viscosity, kinematic	: Not available
Solubility	: Water: Completely miscible
Partition coefficient	
n-octanol/water (Log Kow)	: Not available

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Vapour pressure	: 23 hPa (Solvent)
Vapour pressure at 50°C	: Not available
Density	: 1 g/cm ³ (ISO 2811-2)
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

10 STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

Extremely high or low temperatures. Keep away from heat and direct sunlight.

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

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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LD50 oral rat	>2000 mg/kg
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LD50 oral rat	300 - 2000 mg/kg
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Skin corrosion/irritation	: Not classified pH: 5 - 6 (ASTM D1172)
Serious eye damage/irritation	: Causes serious eye damage. pH: 5 - 6 (ASTM D1172)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

11.2. Information on other hazards

No additional information available

12 ECOLOGICAL INFORMATION

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.

Reaction mass of Reaction product of 1-chloro-3-[[1-chloro-3-(dodecyloxy)propan-2-yl]oxy]propan-2-ol with methyl diethanolamine and [3-(dodecyloxy)-2-hydroxypropyl]bis(2-hydroxyethyl)methylammonium chloride

EC50 - Crustacea [1]	0.795 mg/l (OECD 202; Daphnia magna)
EC50 algae	0.23 mg/l (OECD 201; Desmodesmus subspicatus)

12.2. Persistence and degradability

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Persistence and degradability	Not readily biodegradable.
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Persistence and degradability	Not readily biodegradable.
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12.3. Bioaccumulative potential

Reaction mass of Reaction product of 1-chloro-3-[[1-chloro-3-(dodecyloxy)propan-2-yl]oxy]propan-2-ol with methyl diethanolamine and [3-(dodecyloxy)-2-hydroxypropyl]bis(2-hydroxyethyl)methylammonium chloride

Partition coefficient n-octanol/water (Log Pow)	< 0.14 (20 °C)
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12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

No additional information available.

12.6. Other adverse effects

Additional information : Avoid release to the environment.

13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods



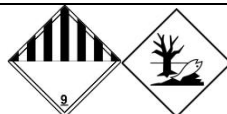

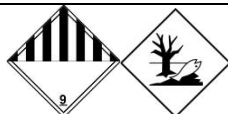
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Additional information	: Empty containers should be taken for recycle, recovery or waste in accordance with local regulation.
Ecology - waste materials	: Avoid release to the environment.
HP Code	: HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

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14 TRANSPORT INFORMATION

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ; Reaction mass of Reaction product of 1-chloro-3-[[1-chloro-3-(dodecyloxy)propan-2-yl]oxy]propan-2-ol with methyl diethanolamine and [3-(dodecyloxy)-2-hydroxypropyl]bis(2-hydroxyethyl) methylammonium chloride)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ; Reaction mass of Reaction product of 1-chloro-3-[[1-chloro-3-(dodecyloxy)propan-2-yl]oxy]propan-2-ol with methyl diethanolamine and [3-(dodecyloxy)-2-hydroxypropyl]bis(2-hydroxyethyl) methylammonium chloride)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ; Reaction mass of Reaction product of 1-chloro-3-[[1-chloro-3-(dodecyloxy)propan-2-yl]oxy]propan-2-ol with methyl diethanolamine and [3-(dodecyloxy)-2-hydroxypropyl]bis(2-hydroxyethyl) methylammonium chloride)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ; Reaction mass of Reaction product of 1-chloro-3-[[1-chloro-3-(dodecyloxy)propan-2-yl]oxy]propan-2-ol with methyl diethanolamine and [3-(dodecyloxy)-2-hydroxypropyl]bis(2-hydroxyethyl) methylammonium chloride)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ; Reaction mass of Reaction product of 1-chloro-3-[[1-chloro-3-(dodecyloxy)propan-2-yl]oxy]propan-2-ol with methyl diethanolamine and [3-(dodecyloxy)-2-hydroxypropyl]bis(2-hydroxyethyl) methylammonium chloride)
Transport document description				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ; Reaction mass of Reaction product of 1-chloro-3-[[1-chloro-3-(dodecyloxy)propan-2-yl]oxy]propan-2-ol with methyl diethanolamine and [3-(dodecyloxy)-2-hydroxypropyl]bis(2-hydroxyethyl) methylammonium chloride), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ; Reaction mass of Reaction product of 1-chloro-3-[[1-chloro-3-(dodecyloxy)propan-2-yl]oxy]propan-2-ol with methyl diethanolamine and [3-(dodecyloxy)-2-hydroxypropyl]bis(2-hydroxyethyl) methylammonium chloride), 9, III, MARINE POLLUTANT	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ; Reaction mass of Reaction product of 1-chloro-3-[[1-chloro-3-(dodecyloxy)propan-2-yl]oxy]propan-2-ol with methyl diethanolamine and [3-(dodecyloxy)-2-hydroxypropyl]bis(2-hydroxyethyl) methylammonium chloride), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ; Reaction mass of Reaction product of 1-chloro-3-[[1-chloro-3-(dodecyloxy)propan-2-yl]oxy]propan-2-ol with methyl diethanolamine and [3-(dodecyloxy)-2-hydroxypropyl]bis(2-hydroxyethyl) methylammonium chloride), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS ; Reaction mass of Reaction product of 1-chloro-3-[[1-chloro-3-(dodecyloxy)propan-2-yl]oxy]propan-2-ol with methyl diethanolamine and [3-(dodecyloxy)-2-hydroxypropyl]bis(2-hydroxyethyl) methylammonium chloride), 9, III
14.3. Transport hazard class(es)				
9	9	9	9	9
				
14.4. Packing group				
III	III	III	III	III


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14.5. Environmental hazards				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary information available.				

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: M6
Special provisions (ADR)	: 274, 335, 375, 601
Limited quantities (ADR)	: 5 L
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13
Hazard identification number (Kemler No.)	: 90
Orange plates	: 

Tunnel restriction code (ADR) : -

Transport by sea

Special provisions (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP01, P001
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03

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Tank instructions (IMDG) : T4
Tank special provisions (IMDG) : TP2, TP29
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-F
Stowage category (IMDG) : A

Air transport

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y964
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 964
PCA max net quantity (IATA) : 450L
CAO packing instructions (IATA) : 964
CAO max net quantity (IATA) : 450L
Special provisions (IATA) : A97, A158, A197
ERG code (IATA) : 9L

Inland waterway transport

Classification code (ADN) : M6
Special provisions (ADN) : 274, 335, 375, 601
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1
Carriage permitted (ADN) : T
Equipment required (ADN) : PP
Number of blue cones/lights (ADN) : 0

Rail transport

Classification code (RID) : M6
Special provisions (RID) : 274, 335, 375, 601
Limited quantities (RID) : 5 L
Excepted quantities (RID) : E1
Packing instructions (RID) : P001, IBC03, LP01, R001
Special packing provisions (RID) : PP1
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T4
Portable tank and bulk container special provisions (RID) : TP1, TP29
Tank codes for RID tanks (RID) : LGBV
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W12
Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW31
Colis express (express parcels) (RID) : CE8
Hazard identification number (RID) : 90

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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC-code

Not applicable

15 REGULATORY INFORMATION

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

15.1.1. EU-Regulations

Other information, restriction and prohibition regulations : Neutrostat B is listed in Commission Regulation No 10/2011, and its amendments, as FCM substance 493, CAS 6200-40-4.

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(b)	Neutrostat B; Reaction mass of Reaction product of 1-chloro-3-[[1-chloro-3-(dodecyloxy)propan-2-yl]oxy} propan-2-ol with methyl diethanolamine and [3-(dodecyloxy)-2-hydroxypropyl] bis(2-hydroxyethyl)methyl ammonium chloride	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	Neutrostat B; Reaction mass of Reaction product of 1-chloro-3-[[1-chloro-3-(dodecyloxy)propan-2-yl]oxy}propan-2-ol with methyl diethanolamine and [3-(dodecyloxy)-2-hydroxypropyl] bis(2-hydroxyethyl)methyl ammonium chloride	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1

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)

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POP Regulation (Persistent Organic Pollutants)

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

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Seveso Directive (Disaster Risk Reduction)

Seveso III Part I (Categories of dangerous substances)	Qualifying quantity (tonnes)	
	Upper-tier	Lower-tier
E2 Hazardous to the Aquatic Environment in Category Chronic 2	200	500

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)

15.1.2. National regulations

Netherlands

ABM category	: A(2) - toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment
SZW-lijst van kankerverwekkende stoffen	: None of the components are listed
SZW-lijst van mutagene stoffen	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: None of the components are listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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16 OTHER INFORMATION

Indication of changes:

Section	Changed item	Change	Comments
	Supersedes	Modified	
	Revision date	Modified	
1.2	Main use category	Modified	
1.2	Use of the substance/mixture	Added	
2.2	Precautionary statements (CLP)	Modified	
5.2	Hazardous decomposition products in case of fire	Modified	
10.1	Reactivity	Modified	
15.1	REACH Annex XVII	Added	
16	Data sources	Modified	

Abbreviations and acronyms:

CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
LC50	Median lethal concentration
LD50	Median lethal dose
SDS	Safety Data Sheet
CAS	CAS (Chemical Abstracts Service) number
EG-nr	EINECS- en ELINCS-number
EINECS	European Inventory of Existing Commercial Substances
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
OEL	Occupational Exposure Limit

Data sources : ECHA (European Chemicals Agency).

Other information : REACH Disclaimer:

This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number). **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

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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 1	Hazardous to the aquatic environment — Chronic 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
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Eye Dam. 1	H318	Calculation method
Aquatic Chronic 2	H411	Calculation method

Safety Data Sheet applicable for regions : GB - United Kingdom; NL - Netherlands
The classification complies with : ATP 12

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