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

1.1 Product identifier

- Trade name: CHROMagar™ Salmonella Plus base

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

No further relevant information available.

- Application of the substance / the preparation : Reagent for Laboratory Use

1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier :

CHROMagar
 4, place du 18 Juin 1940 - 75006 Paris
 Tel: +33 1 45 48 05 05
 Email : chromagar@chromagar.com

1.4 Emergency telephone number :

France (ORFILA 24h/24) - Tel : +33 (0)1 45 42 59 59
 Ireland - Tel : 00 353 1 8092568 - 00 353 1 8379964 (24h/24) EU Tel: 112
 Belgique - Tel : 32 070/245 245
 UK : 111 (NHS) / 0345 300 9923 (HSE)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008 :

The product is not classified according to the CLP regulation.

2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008 : Not classified as hazardous
- Hazard pictograms : Not classified as hazardous
- Signal word : Not classified as hazardous
- Hazard statements : Not classified as hazardous

- Additional information : EUH210 Safety data sheet available on request.

2.3 Other hazards


- Results of PBT and vPvB assessment

- PBT : Not applicable.
- vPvB : Not applicable.


SECTION 3: Composition / information on ingredients

3.2 Mixtures

- Description : Mixture: consisting of the following components.
- Dangerous components :

CAS: 302-95-4 sodium 3-alpha,12-alpha-dihydroxy-5-β-cholan-24-oate < 5%
 EINECS: 206-132-7  Acute Tox. 4, H302; STOT SE 3, H335

- SVHC : No
- Additional information : For the wording of the listed risk phrases, refer to section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

- **General information :** Position and transport stably in side position.
In case of irregular breathing or respiratory arrest provide artificial respiration.
- **After excessive inhalation :** Provide fresh air; consult a doctor in case of medical complaints.
- **After skin contact :** Generally the product does not irritate the skin.
In the event of irritation, to withdraw soiled clothing, to wash the parts reached with soapy water, to rinse with large water.
If skin irritation continues, consult a doctor.
- **After eye contact :** Rinse opened eye for several minutes under running water.
- **After swallowing :** Do not induce vomiting; call for medical help immediately.

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

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture :

No further relevant information available.

5.3 Advice for firefighters

- **Protective equipment :** No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures :

No special measures required. Avoid formation of dust.

6.2 Environmental precautions :

Do not allow product to reach sewage system or any water course.
Dilute with plenty of water.

6.3 Methods and material for containment and cleaning up :

Pick up mechanically.

6.4 Reference to other sections :

See Section 7 for information on safe handling.
See Section 8 for information on personal protective equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage


7.1 Precautions for safe handling :

Keep away from heat and direct sunlight.
Thorough dedusting.

- **Information about fire - and explosion protection :** No special measures required.

7.2 Conditions for safe storage, including any incompatibilities :

- **Storage :**
- **Requirements to be met by storerooms and receptacles :** Store away from light and moisture.

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- **Information about storage in one common storage facility** : No special requirements.
- **Further information about storage conditions** : Not required.
- **Recommended storage temperature** : Store in cool, dry conditions in well sealed receptacles. 15-30°C
- 7.3 Specific end use(s)** : No further relevant information available.

SECTION 8: Exposure controls / personal protection

- **Additional information about design of technical facilities** : No further data; see section 7.

8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace** :

The product does not contain any significant quantities of materials with critical values that have to be monitored at the workplace.

- **Additional information** :

The most current valid lists have been used as a basis for the production of this document.

8.2 Exposure controls

- **Personal protective equipment** :
- **General protective and hygienic measures** :

The usual precautionary measures are to be adhered to when handling chemicals.

- Respiratory protection** : In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.



- Protection of hands** : Protective gloves.
EN374 gloves for chemicals.




- Gloves material** : The selection of suitable gloves does not depend only on the material, but also on further marks of quality which may vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked before use.

- Eye protection** : Safety glasses.



- Body protection** : Protective work clothing.



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

· General Information

· Appearance :

Form : Powder

Colour : Beige

· Odour : Characteristic

· Odour threshold : Not determined.

· pH-value : Not applicable.

· Change in condition

Melting point/Melting range : Undetermined.

Boiling point/Boiling range : Undetermined.

· Flash point : Not applicable.

· Flammability (solid, gaseous) : Not determined.

· Ignition temperature : Not applicable.

· Decomposition temperature : Not determined.

· Self-igniting : Product is not self igniting.

· Danger of explosion : Product does not present an explosion hazard.

· Explosion limits :

Lower : Not determined.

Upper : Not determined.

· Vapour pressure : Not applicable.

· Density at 20°C : 0.5 +/- 0.1 g/cm³

· Relative density : Not determined.

· Vapour density : Not applicable.

· Evaporation rate : Not applicable.

· Solubility in / Miscibility with water : Partly soluble.

· Segregation coefficient (n-octanol/water) : Not determined.

· Viscosity :

Dynamic : Not applicable.

Kinematic : Not applicable.

9.2 Other information : No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity : No further relevant information available.

10.2 Chemical stability :

· Thermal decomposition / conditions to be avoided :

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions : No dangerous reactions known.

10.4 Conditions to avoid : No further relevant information available.


10.5 Incompatible materials : No further relevant information available.

10.6 Hazardous decomposition products : No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

· Acute toxicity : Based on available data, the classification criteria are not met.

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· **LD/LC50 values relevant for classification:**

302-95-4 sodium 3-alpha,12-alpha-dihydroxy-5-β-cholan-24-oate
 Oral LD50 500 mg/kg (ATE)

· **Primary irritant effect :**

- **On the skin :** Based on available data, the classification criteria are not met.
- **On the eyes :** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation :** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) :**
- **Germ cell mutagenicity :** Based on available data, the classification criteria are not met.
- **Reproductive toxicity :** Based on available data, the classification criteria are not met.
- **STOT-single exposure :** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure :** Based on available data, the classification criteria are not met.
- **Aspiration hazard :** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

- **Aquatic toxicity :** No further relevant information available.

12.2 Persistence and degradability : No further relevant information available.

12.3 Bioaccumulative potential : No further relevant information available.

12.4 Mobility in soil : No further relevant information available.

· **Additional ecological information :**

- **General notes :** Generally not hazardous for water.

12.5 Results of PBT and vPvB assessment

- **PBT :** Not applicable.
- **vPvB :** Not applicable.

12.6 Other adverse effects : No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- **Recommendation :** Must be specially treated according to official regulations.
- **Uncleaned packaging :**
- **Recommendation :** Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number


- **ADR, ADN, IMDG, IATA :** Void

14.2 UN proper shipping name

- **ADR, ADN, IMDG, IATA :** Void

14.3 Transport hazard class(es)

- **ADR, ADN, IMDG, IATA**
- **Class :** Void

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14.4 Packing group

· ADR, IMDG, IATA : Void

14.5 Environmental hazards : Not applicable.

14.6 Special precautions for user : Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code :

Not applicable.

· UN "Model Regulation": Void

SECTION 15: Regulatory information

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

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I : None of the ingredients is listed.

15.2 Chemical safety assessment : A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases :

H302 Harmful if swallowed.

H335 May cause respiratory irritation.

· Abbreviations and acronyms :

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent


PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity, Hazard Category 4

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

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

1.1 Product identifier

· Trade name: **CHROMagar™ Salmonella Plus supplement**

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

No further relevant information available.

· **Application of the substance / the preparation** : Reagent for Laboratory Use

1.3 Details of the supplier of the safety data sheet

· **Manufacturer/Supplier** :

CHROMagar
 4, place du 18 Juin 1940 - 75006 Paris
 Tel: +33 1 45 48 05 05
 Email : chromagar@chromagar.com

1.4 Emergency telephone number :

France (ORFILA 24h/24) - Tel : +33 (0)1 45 42 59 59

Ireland - Tel : 00 353 1 8092568 - 00 353 1 8379964 (24h/24) EU Tel: 112

Belgique - Tel : 32 070/245 245

UK : 111 (NHS) / 0345 300 9923 (HSE)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

· **Classification according to Regulation (EC) No 1272/2008** :



GHS05 : Skin Corr. 1C
 Eye Dam. 1

H314 Causes severe skin burns and eye.
 H318 Causes serious eye damage.



GHS09 : Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07 : Acute Tox.4 H302 Harmful if swallowed.

2.2 Label elements

· **Labelling according to Regulation (EC) No 1272/2008** :

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms** :



GHS05



GHS09



GHS07

· **Signal word** :

Danger

· **Hazard-determining components of labelling**:

Surfactants

· **Hazard statements** :


H302 : Harmful if swallowed.

H314 : Causes severe skin burns and eye damage.

H411 : Toxic to aquatic life with long lasting effects.

· **Precautionary statements** :

P260 : Do not breathe dust/fume/gas/mist/vapours/spray.

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P273 :	Avoid release to the environment.
P280 :	Wear protective gloves/protective clothing/eye protection/face protection.
P264 :	Wash hands thoroughly after handling.
P303+P361+P353 :	IF ON SKIN (or hair): 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.
P301+P312 :	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P304+P340 :	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301+P330+P331 :	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P501 :	Dispose of contents/container in accordance with local/regional/national/international regulations.

- Labelling of packages where the contents do not exceed 125 ml
- Hazard pictograms :



GHS05



GHS09



GHS07

- Signal word : Danger
- Hazard-determining components of labelling: Surfactants
- Hazard statements :

H314: Causes severe skin burns and eye damage.

- Precautionary statements :

P260 :	Do not breathe dust/fume/gas/mist/vapours/spray.
P273 :	Avoid release to the environment.
P280 :	Wear protective gloves/protective clothing/eye protection/face protection.
P264 :	Wash hands thoroughly after handling.
P303+P361+P353 :	IF ON SKIN (or hair): 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.
P301+P312 :	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P304+P340 :	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301+P330+P331 :	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P501 :	Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards







- Results of PBT and vPvB assessment


· PBT :	Not applicable.
· vPvB :	Not applicable.

SECTION 3: Composition / information on ingredients

3.2 Mixtures

- Description : Mixture: consisting of the following components.
- Dangerous components :

CAS:	 Nonionic surfactant  Eye Dam. 1, H318;  Aquatic Chronic 2, H411;	10-25%
	 Acute Tox. 4, H302; Acute Tox. 4, H332	
CAS:	 Anionic surfactant  Skin Corr. 1C, H314	10-25%

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- **SVHC :** No
- **Additional information :** For the wording of the listed risk phrases, refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- **General information :** Position and transport stably in side position.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After excessive inhalation :** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient in a stable laying down side position for transportation.
- **After skin contact :** In the event of irritation, to withdraw soiled clothing, to wash the parts reached with soapy water, to rinse with large water.
If skin irritation continues, consult a doctor.
- **After eye contact :** Rinse opened eye for several minutes under running water.
Then consult a doctor.
- **After swallowing :** Do not induce vomiting; call for medical help immediately.
Call for a doctor immediately.

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

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Suitable extinguishing agents :

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture : No further relevant information available.

5.3 Advice for firefighters

- **Protective equipment :** No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures :

No special measures required.


6.2 Environmental precautions :

Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

6.4 Reference to other sections :

See Section 7 for information on safe handling.
See Section 8 for information on personal protective equipment.
See Section 13 for disposal information.

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SECTION 7: Handling and storage

- 7.1 Precautions for safe handling :** Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
- **Information about fire - and explosion protection :** No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities :**
- **Storage :**
- **Requirements to be met by storerooms and receptacles :** Store away from light and moisture.
No special requirements.
- **Information about storage in one common storage facility :** Not required.
- **Further information about storage conditions :** Keep container tightly sealed.
- **Recommended storage temperature :** 15-30°C
- 7.3 Specific end use(s) :** No further relevant information available.

SECTION 8: Exposure controls / personal protection

- **Additional information about design of technical facilities :** No further data; see section 7.

8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace :**

The product does not contain any significant quantities of materials with critical values that have to be monitored at the workplace.

- **Additional information :**

The most current valid lists have been used as a basis for the production of this document.

8.2 Exposure controls

- **Personal protective equipment :**
- **General protective and hygienic measures :**

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection : In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.



Protection of hands : Protective gloves.
EN374 gloves for chemicals.




Gloves material : Butyl rubber, BR
Eye protection : Safety glasses.



Body protection : Protective work clothing.



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

· General Information

· Appearance :

Form : Liquid

Colour : Colourless

· Odour : Characteristic.

· Odour threshold : Not determined.

· pH-value : Not applicable.

· Change in condition

Melting point/Melting range : Undetermined.

Boiling point/Boiling range : Undetermined.

· Flash point : Not applicable.

· Flammability (solid, gaseous) : Not determined.

· Ignition temperature : Not applicable.

· Decomposition temperature : Not determined.

· Self-igniting : Product is not self igniting.

· Danger of explosion : Product does not present an explosion hazard.

· Explosion limits :

Lower : Not determined.

Upper : Not determined.

· Vapour pressure : Not applicable.

· Density at 20°C : 1 +/- 10 % g/cm³

· Relative density : Not determined.

· Vapour density : Not applicable.

· Evaporation rate : Not applicable.

· Solubility in / Miscibility with water : Fully soluble.

· Segregation coefficient (n-octanol/water) : Not determined.

· Viscosity :

Dynamic : Not applicable.

Kinematic : Not applicable.

9.2 Other information : No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity : No further relevant information available.

10.2 Chemical stability :

· Thermal decomposition / conditions to be avoided :

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions : No dangerous reactions known.

10.4 Conditions to avoid : No further relevant information available.


10.5 Incompatible materials : No further relevant information available.

10.6 Hazardous decomposition products : No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

· Acute toxicity : Harmful if swallowed.

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· **LD/LC50 values relevant for classification :**

Nonionic surfactant

Oral	LD50 500	mg/kg (ATE)
Inhalative	LC50/4 h	11 mg/l (ATE)

· **Primary irritant effect :**

· **On the skin :**

Causes severe skin burns and eye damage.

· **On the eyes :**

Causes serious eye damage.

· **Respiratory or skin sensitisation :** Based on available data, the classification criteria are not met.

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) :**

· **Germ cell mutagenicity :** Based on available data, the classification criteria are not met.

· **Reproductive toxicity :** Based on available data, the classification criteria are not met.

· **STOT-single exposure :** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure :** Based on available data, the classification criteria are not met.

· **Aspiration hazard :** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

· **Aquatic toxicity :** No further relevant information available.

12.2 **Persistence and degradability :** No further relevant information available.

12.3 **Bioaccumulative potential :** No further relevant information available.

12.4 **Mobility in soil :** No further relevant information available.

· **Ecotoxicological effects:**

· **Remark:**

Toxic for fish

· **Additional ecological information :**

· **General notes :**

Generally not hazardous for water.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

12.5 Results of PBT and vPvB assessment

· **PBT :** Not applicable.

· **vPvB :** Not applicable.

12.6 **Other adverse effects :** No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

· **Recommendation :** Must be specially treated according to official regulations..

· **Uncleaned packaging :**

· **Recommendation :** Disposal must be made according to official regulations.


SECTION 14: Transport information

14.1 UN-Number

· **ADR, ADN, IMDG, IATA :** UN3082

14.2 UN proper shipping name

· **ADR** UN3082 ENVIRONMENTALLY HAZARDOUS

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- **IMDG**
 - **IATA**
- SUBSTANCE, LIQUID, N.O.S. (α -(4-Nonylphenyl)- ω -hydroxy-poly(oxy-1,2-ethanediyl) branched)
 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (α -(4-Nonylphenyl)- ω -hydroxypoly (oxy-1,2-ethanediyl) branched), MARINE POLLUTANT
 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (α -(4-Nonylphenyl)- ω -hydroxypoly (oxy-1,2-ethanediyl) branched)

14.3 Transport hazard class(es)

- **ADR**



- **Class :**

9 (M6) Miscellaneous dangerous substances and articles.

- **Label :**



- **IMDG, IATA**

- **Class :**

9 Miscellaneous dangerous substances and articles.

- **Label :**

9

14.4 Packing group

- **ADR, IMDG, IATA :**

III

14.5 Environmental hazards :

Product contains environmentally hazardous substances: α -(4-Nonylphenyl)- ω -hydroxy-poly(oxy-1,2-ethanediyl) branched

- **Marine pollutant :**

Symbol (fish and tree)

- **Special marking (ADR) :**

Symbol (fish and tree)

- **Special marking (IATA) :**

Symbol (fish and tree)

14.6 Special precautions for user :

Warning: Miscellaneous dangerous substances and articles.

- **Danger code (Kemler) :**

90

- **EMS Number :**

F-A,S-F

- **Stowage Category :**

A

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code : Not applicable.

- **Transport/Additional information :**

- **ADR**

- **Limited quantities (LQ)**

5L

- **Excepted quantities (EQ)**

Code : E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

- **Transport category**

3

- **Tunnel restriction code**

E

- **IMDG**

- **Limited quantities (LQ)**


5L

- **Excepted quantities (EQ)**

Code : E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

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- **UN "Model Regulation":** UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (α -(4-NONYLPHENYL)- ω -HYDROXY-POLY(OXY-1,2-ETHANEDIYL) BRANCHED), 9, III

SECTION 15: Regulatory information

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

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I :** None of the ingredients is listed.
- **Seveso category** E2 Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

15.2 Chemical safety assessment : A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases :**

- H302 : Harmful if swallowed.
- H314 : Causes severe skin burns and eye damage.
- H318 : Causes serious eye damage.
- H332 : Harmful if inhaled.
- H411 : Toxic to aquatic life with long lasting effects.

· **Abbreviations and acronyms :**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- Acute Tox. 4: Acute toxicity, Hazard Category 4
- Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C
- Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2