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#### SAFETY DATA SHEET

(according 1907/2006/CE, Art. 31)

CHROMagar™ Y.enterocolitica base Ref : YE492(B) AD-ASQ-268

Version 1.1

12-Feb-2018

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

1.1 Product identifier

· Trade name: CHROMagar™ Y.enterocolitica 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:
 Hazard pictograms:
 Signal word:
 Hazard statements:
 Not classified as hazardous
 Not classified as hazardous
 Not classified as hazardous
 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 ≤ 2.5%

· SVHC:

• 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 :



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· 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 : Store in cool,

dry conditions in well sealed receptacles.

· 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 signifiant 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:
Colour:
Beige
Odour:
Characteristic
Odour threshold:
Not determined.
pH-value:
Not applicable.

· Change in condition

Melting point/Melting range:
Boiling point/Boiling range:
Undetermined.
Undetermined.
Not applicable.
Flammability (solid, gaseous):
Not determined.
Ignition temperature:
Not applicable.
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



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

· LD/LC50 values relevant for classification:

302-95-4 sodium 3-alpha,12-alpha-dihydroxy-5-ß-cholan-24-oate

Oral LD50 500 mg/kg (ATE)

· Primary irritant effect :

On the skin:
 On the eyes:
 Based on available data, the classification criteria are not met.
 Based on available data, the classification criteria are not met.
 Based on available data, the classification criteria are not met.

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

Germ cell mutagenicity:
 Reproductive toxicity:
 STOT-single exposure:
 STOT-repeated exposure:
 Aspiration hazard:
 Based on available data, the classification criteria are not met.
 Based on available data, the classification criteria are not met.
 Based on available data, the classification criteria are not met.
 Based on available data, the classification criteria are not met.
 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™ Y.enterocolitica 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:



GHS08: Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.



GHS07 : Skin Irrit. 2 H315 Causes skin irritation.

> Eve Irrit. 2 H319 Causes serious eve irritation. Skin Sens. 1 H317 May cause an allergic skin reaction.

#### 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:



Danger

GHS08

· Signal word:

· Hazard-determining components of labelling:

**B-lactam antibiotics** 

· Hazard statements :

H315: Causes skin irritation. H319: Causes serious eye irritation.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317: May cause an allergic skin reaction.

· Precautionary statements :

P284: [In case of inadequate ventilation] wear respiratory protection.

Avoid breathing dust/fume/gas/mist/vapours/spray. P261:

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P264: Wash hands thoroughly after handling.



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P305+P351+P338:

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IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.

P302+P352: IF ON SKIN: Wash with plenty of water.

P501: Dispose of contents/container in accordance with local/regional/national/international

regulations.

 $\cdot$  Labelling of packages where the contents do not exceed 125 ml  $\,$ 

Hazard pictograms



GHS08

· Signal word : Danger

· Hazard-determining components of labelling: β-lactam antibiotics

· Hazard statements :

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 : May cause an allergic skin reaction.

· Precautionary statements :

P284 : [In case of inadequate ventilation] wear respiratory protection.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 : Wear protective gloves/protective clothing/eye protection/face protection.

P264: Wash hands thoroughly after handling.

P305+P351+P338 : IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.

P302+P352: IF ON SKIN: Wash with plenty of water.

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: 

ß-lactam antibiotic 5-10%

Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335

CAS : β-lactam antibiotic ≤2.5%

Resp. Sens. 1, H334;

Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335

· SVHC:

• 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:
 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. 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 :



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· 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 : Store in cool, dry conditions in well sealed

receptacles.

· Recommended storage temperature : 2-8°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 signifiant 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.

The state of the s

**Protection of hands:** Protective gloves.

EN374 gloves for chemicals.

III S

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



**Body protection :** Protective work clothing.



### **SECTION 9: Physical and chemical properties**

- 9.1 Information on basic physical and chemical properties
- · General Information
- · Appearance :



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Form: Powder Colour: White

Odour: Characteristic.
 Odour threshold: Not determined.
 pH-value: Not applicable.

· Change in condition

Melting point/Melting range:
Boiling point/Boiling range:
Undetermined.
Undetermined.

Flash point:
Not applicable.
Ignition temperature:
Not applicable.
Not applicable.
Not applicable.
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/cm<sup>3</sup> · 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: Based on available data, the classification criteria are not met.

· Primary irritant effect :

On the skin: Causes skin irritation.On the eyes: Causes serious eye irritation.

• Respiratory or skin sensitisation : May cause allergy or asthma symptoms or breathing difficulties

if inhaled. May cause an allergic skin reaction.



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

Germ cell mutagenicity:
 Reproductive toxicity:
 STOT-single exposure:
 STOT-repeated exposure:
 Aspiration hazard:
 Based on available data, the classification criteria are not met.
 Based on available data, the classification criteria are not met.
 Based on available data, the classification criteria are not met.
 Based on available data, the classification criteria are not met.
 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

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



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# **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 :

- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- 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)

PBT : Persistent, Bioaccumulative and Toxic SVHC : Substances of Very High Concern vPvB : very Persistent and very Bioaccumulative

Skin Irrit. 2 : Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2 : Serious eye damage/eye irritation, Hazard Category 2 Resp. Sens. 1 : Sensitisation - Respirat., Hazard Category 1

Skin Sens. 1 : Sensitisation - Skin, Hazard Category 1

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