

# SAFETY DATA SHEET

## According to Regulation 1907/2006/CE

Doc. N° 4240017 rev.1  
Date of issue: 13/11/2014

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

Product name : **Preston antimicrobial supplement**  
Product Number : 4240017  
REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Identified uses : Laboratory chemicals, Selective reagent for microbiology

### 1.3 Details of the supplier of the safety data sheet

Company : Biolife Italiana S.r.l.  
Viale Monza 272, 20128 Milano Italia  
Tel : 0039 02 252091  
Fax: 0039 02 2576428  
E-mail: [mktg@biolifeitaliana.it](mailto:mktg@biolifeitaliana.it)

### 1.4 Emergency telephone number

Emergency Phone : 0039 02-6610-1029 (Centro Antiveneni Niguarda Ca' Granda- Milano)

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Acute toxicity, Oral (Category 3), H301  
Germ cell mutagenicity (Category 2), H341  
Reproductive toxicity (Category 1B), H360D  
Chronic aquatic toxicity (Category 3), H412  
For the full text of the H-Statements mentioned in this Section, see Section 16.

#### Classification according to EU Directives 67/548/EEC or 1999/45/EC

T Toxic R25  
T Toxic R61  
Xn Harmful R68  
R52/53  
For the full text of the R-phrases mentioned in this Section, see Section 16.

### 2.2 Label elements

#### Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word Warning

Hazard statement(s)

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E-mail: [mktg@biolifeitaliana.it](mailto:mktg@biolifeitaliana.it); Web Site: [www.biolifeitaliana.it](http://www.biolifeitaliana.it)

H301	Toxic if swallowed.
H341	Suspected of causing genetic defects.
H360D	May damage the unborn child.
H412	Harmful to aquatic life with long lasting effects.
Precautionary statement(s)	
P201	Obtain special instructions before use.
P273	Avoid release to the environment.
P281	Use personal protective equipment as required.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
Supplemental Hazard Statements	
	none

**According to European Directive 67/548/EEC as amended.**

Hazard symbol(s) T Toxic



R-phrase(s)	
R61	May cause harm to the unborn child.
R25	Also toxic if swallowed.
R68	Possible risk of irreversible effects.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrase(s)	
S53	Avoid exposure - obtain special instructions before use.
S36/37	Wear suitable protective clothing and gloves.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S61	Avoid release to the environment. Refer to special instructions/Safety data sheets.

**2.3 Other hazards – none**
**3. COMPOSITION/INFORMATION ON INGREDIENTS**
**3.2 Mixtures**
**Hazardous ingredients according to Regulation (EC) No 1272/2008**

Component	Classification	Concentration
<b>Cycloheximide</b>		
CAS-No 66-81-9	Acute Tox. 1; Skin Irrit. 2; Muta. 2; Repr. 1B; Aquatic Chronic 2; H300, H315, H341, H360D, H411	30-70 %
CE-No 200-636-0		
Index-No. 613-140-00-8		
<b>Rifampicin</b>		
CAS-No 13292-46-1	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H302, H315, H319, H335	5-10%
CE-No 236-312-0		

**Hazardous ingredients according to Directive 1999/45/EC**

Component	Classification	Concentration
<b>Cycloheximide</b>		
CAS-No 66-81-9	T+, N, Mut. Cat 3, Repr. Cat. 2,	30-70 %
CE-No 200-636-0		

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Index-No.	613-140-00-8	R61 – R28 – R38 – R51/53 – R68	
<b>Rifampicin</b>			
CAS-No	13292-46-1	Xn, R22 – R36/37/38	5-10%
CE-No	236-312-0		

For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16

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#### 4. FIRST AID MEASURES

##### 4.1 Description of first aid measures

###### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

###### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

###### In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

###### In case of eye contact

Flush eyes with water as a precaution.

###### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

no data available

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#### 5. FIREFIGHTING MEASURES

##### 5.1 Extinguishing media

###### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

##### 5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO<sub>x</sub>)

##### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

##### 5.4 Further information

no data available

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#### 6. ACCIDENTAL RELEASE MEASURES

##### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

##### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

##### 6.3 Methods and materials for containment and cleaning up



Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For disposal see section 13.

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### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use.  
Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.  
Recommended storage temperature: 2 - 8 °C  
Light sensitive. Heat sensitive.

#### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

##### Components with workplace control parameters

It doesn't contain substances with occupational exposure limit value.

#### 8.2 Exposure controls

##### Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and at the end of workday.

##### Personal protective equipment

###### Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

###### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

###### Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

###### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use

respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

a) Appearance	red powder
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	no data available
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	no data available
n) Water solubility	no data available
o) Partition coefficient: noctanol/water	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available

**9.2 Other safety information** no data available

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**10. STABILITY AND REACTIVITY**

**10.1 Reactivity** no data available

**10.2 Chemical stability** no data available

**10.3 Possibility of hazardous reactions** no data available

**10.4 Conditions to avoid** Heat. Light.

**10.5 Incompatible materials** Oxidizing agents

**10.6 Hazardous decomposition products** Other decomposition products - no data available  
In the event of fire: see section 5

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**11. TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects****Acute toxicity**

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<b>Skin corrosion/irritation</b>	no data available
<b>Serious eye damage/eye irritation</b>	no data available
<b>Respiratory or skin sensitisation</b>	no data available
<b>Germ cell mutagenicity</b>	no data available
<b>Carcinogenicity</b>	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>Reproductive toxicity</b>	no data available
<b>Specific target organ toxicity - single exposure</b>	no data available
<b>Specific target organ toxicity - repeated exposure</b>	no data available
<b>Aspiration hazard</b>	no data available
<b>Additional Information</b>	RTECS: Not available To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Liver - Irregularities - Based on Human Evidence (Cycloheximide)

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**12. ECOLOGICAL INFORMATION**

<b>12.1 Toxicity</b>	no data available
<b>12.2 Persistence and degradability</b>	no data available
<b>12.3 Bioaccumulative potential</b>	no data available
<b>12.4 Mobility in soil</b>	no data available
<b>12.5 Results of PBT and vPvB assessment</b>	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
<b>12.6 Other adverse effects</b>	Harmful to aquatic life.

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**13. DISPOSAL CONSIDERATIONS**

<b>13.1 Waste treatment methods</b>	
<b>Product</b>	Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
<b>Contaminated packaging</b>	Dispose of as unused product.

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**14. TRANSPORT INFORMATION**

<b>14.1 UN number</b>	ADR/RID: 2811 IMDG: 2811 IATA: 2811
<b>14.2 UN proper shipping name</b>	ADR/RID: TOXIC SOLID, ORGANIC, N.O.S. (Cycloheximide)

IMDG: TOXIC SOLID, ORGANIC, N.O.S. (Cycloheximide)  
IATA: Toxic solid, organic, n.o.s. (Cycloheximide)

<b>14.3 Transport hazard class(es)</b>	ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1
<b>14.4 Packaging group</b>	ADR/RID: II IMDG: II IATA: II
<b>14.5 Environmental hazards</b>	ADR/RID: no IMDG Marine pollutant: no IATA: no
<b>14.6 Special precautions for user</b>	no data available

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## 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
no data available

**15.2 Chemical Safety Assessment** For this product a chemical safety assessment was not carried out

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## 16. OTHER INFORMATION

### Full text of H-Statements referred to under sections 2 and 3.

Acute Tox. Acute toxicity

Aquatic Chronic Chronic aquatic toxicity

H300	Fatal if swallowed.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H360D	May damage the unborn child.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Muta.	Germ cell mutagenicity
Repr.	Reproductive toxicity
Skin Irrit.	Skin irritation

### Full text of R-phrases referred to under sections 2 and 3

N	Dangerous for the environment
R22	Harmful if swallowed
R25	Toxic if swallowed.
R28	Very toxic if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin
R38	Irritating to skin.
T+	Very toxic
Xn	Harmful
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R61	May cause harm to the unborn child.
R68	Possible risk of irreversible effects.
Repr.Cat.2	Toxic to Reproduction Category 2

### Further information

**Restrictions for use** No data available



**Training advice**

No data available

**References**

No data available

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