

# SAFETY DATA SHEET

## According to Regulation 1907/2006/CE

Doc. N° 42111801 rev.0  
Date of issue: 21/11/2014

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

Product name : **TTC 1% solution**  
Product Number : **42111801**

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

Identified uses : Supplement 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 Antiveleni Niguarda Ca'  
Granda- Milano)

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to  
Regulation (EC) No. 1272/2008.  
This substance is not classified as dangerous according to  
Directive 67/548/EEC.

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

Pictogram none  
Signal word none  
Hazard statement(s) none  
Precautionary statement(s) none  
Supplemental Hazard  
Statements none

#### 2.3 Other hazards – none

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

Chemical characterization : Natural product  
Synonyms : TTC  
Formula : C<sub>19</sub>H<sub>15</sub>ClN<sub>4</sub>  
Molecular Weight : 334,80 g/mol

#### Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
<b>2,3,5-Triphenyltetrazolium chloride</b>		
CAS-No 298-96-4	Skin Irrit. 2; Eye Irrit. 2; STOT	< 10%
CE-No 206-071-6	SE 3; H315, H319, H335	

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

Component	Classification	Concentration
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<b>2,3,5-Triphenyltetrazolium chloride</b>		
CAS-No	298-96-4	Xi, R36/37/38
CE-No	206-071-6	< 10%

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

#### 4. FIRST AID MEASURES

##### 4.1 Description of first aid measures

###### If inhaled

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

###### In case of skin contact

Wash off with soap and plenty of water.

###### 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.

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

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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

no data available

#### 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

Potassium oxides, Tellurium oxides

##### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

##### 5.4 Further information

The product itself does not burn.

#### 6. ACCIDENTAL RELEASE MEASURES

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

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

##### 6.2 Environmental precautions

Do not let product enter drains.

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

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

##### 6.4 Reference to other sections

For disposal see section 13.

#### 7. HANDLING AND STORAGE

##### 7.1 Precautions for safe handling

no data available

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.  
Hygroscopic

**7.3 Specific end uses** no data available

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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

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Safety glasses with side-shields conforming to EN166 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

impervious clothing, 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 respirator with multi-purpose combination type ABEK (EN 14387) 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).

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

a) Appearance	Form: clear, liquid Colour: light yellow
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) Evapouration 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

<b>10.1 Reactivity</b>	no data available
<b>10.2 Chemical stability</b>	no data available
<b>10.3 Possibility of hazardous reactions</b>	no data available
<b>10.4 Conditions to avoid</b>	no data available
<b>10.5 Incompatible materials</b>	Strong oxidizing agents
<b>10.6 Hazardous decomposition products</b>	no data available

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## 11. TOXICOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
<b>Acute toxicity</b>	no data available
<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

### Specific target organ toxicity - repeated exposure

	no data available
<b>Aspiration hazard</b>	no data available
<b>Additional Information</b>	no data available
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<b>12. ECOLOGICAL INFORMATION</b>	
<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>	no data available
<b>12.6 Other adverse effects</b>	no data available
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<b>13. DISPOSAL CONSIDERATIONS</b>	
<b>13.1 Waste treatment methods</b>	
<b>Product</b>	Offer surplus and non-recyclable solutions to a licensed disposal company.
<b>Contaminated packaging</b>	Dispose of as unused product.
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<b>14. TRANSPORT INFORMATION</b>	
<b>14.1 UN number</b>	ADR/RID: - IMDG: - IATA: -
<b>14.2 UN proper shipping name</b>	ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods
<b>14.3 Transport hazard class(es)</b>	ADR/RID: - IMDG: - IATA: -
<b>14.4 Packaging group</b>	ADR/RID: - IMDG: - IATA: -
<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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<b>15. REGULATORY INFORMATION</b>	
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.	
<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	no data available
<b>15.2 Chemical Safety Assessment</b>	no data available
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<b>16. OTHER INFORMATION</b>	
<b>Full text of H-Statements referred to under sections 2 and 3.</b>	
Eye Irrit.	Eye irritation
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity - single exposure

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

Xi	Irritant
R36/37/38	Irritating to eyes, respiratory system and skin.

**Further information**

<b>Restrictions for use</b>	No data available
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<b>Training advice</b>	No data available
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<b>References</b>	No data available
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