

# SAFETY DATA SHEET

## According to Regulation 1907/2006/CE

Doc. N° 4240052 rev.1  
Date of issue: 18/11/2014

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

Product name : **STAA Selective Supplement**  
Product Number : **4240052**

#### 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 Antiveleni 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  
Reproductive toxicity (Category 2), H361  
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 by inhalation and if swallowed R23/25  
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

Danger

Hazard statement(s)

H301  
H361

Toxic if swallowed  
Suspected of damaging fertility or the unborn child

Precautionary statement(s)

P261  
P264  
P273

Avoid breathing dust/fume/ gas/mist/vapours/spray.  
Wash hands thoroughly after handling.  
Avoid release to the environment.

P301 + P310

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Supplemental Hazard Statements

none

**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>Thallium acetate</b>		
CAS-No 563-68-8 CE-No 209-257-5 INDEX-No 081-002-00-9	Acute Tox. 2; STOT RE 2; Aquatic Chronic 2; H300 + H330, H373, H411	8 – 10%
<b>Streptomycin sulphate</b>		
CAS-No 3810-74-0 CE-No 223-286-0	Acute tox. 4; Repr. Tox 2; H302, H361	90 - 92%

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

Component	Classification	Concentration
<b>Thallium acetate</b>		
CAS-No 563-68-8 CE-No 209-257-5 INDEX-No 081-002-00-9	T+, N, R26/28 - R33 - R51/53	8 – 10%
<b>Streptomycin sulphate</b>		
CAS-No 3810-74-0 CE-No 223-286-0	Xn, R22 R63	90 - 92%

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**
**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, thallium oxides

### 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

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

### 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. 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. hygroscopic. For storage refer to the temperature indicated on the label.

### 7.3 Specific end use(s)

A part 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 immediately after handling the product.

#### 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	solid, white
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	soluble
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** Stable under recommended storage conditions

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

**10.4 Conditions to avoid** Heat.

**10.5 Incompatible materials** Strong oxidizing agents, Strong acids

**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 Thallium Acetate

LD50 Oral - rat - 41,3 mg/kg, consider the % weight in the product

Remarks: Behavioral:Convulsions or effect on seizure threshold. Gastrointestinal:Other changes. Blood: Hemorrhage.

**Skin corrosion/irritation** no data available

**Serious eye damage/eye irritation** no data available

**Respiratory or skin sensitisation** Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

**Germ cell mutagenicity** Laboratory experiments have shown mutagenic effects.  
Hamster  
Embryo  
Morphological transformation.

**Carcinogenicity** This product is or contains a component that is probably not carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.  
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.

**Reproductive toxicity** Developmental Toxicity - rat - Oral  
Specific Developmental Abnormalities: Musculoskeletal system. Suspected human reproductive toxicant

**Specific target organ toxicity - single exposure**  
no data available

**Specific target organ toxicity - repeated exposure**  
no data available

**Aspiration hazard** no data available

**Additional Information**

RTECS: Not available

The most characteristic symptom of thallium exposure is alopecia (loss of hair). Cutaneous effects may include dry, scaly skin and impairment of nail growth often resulting in the appearance of crescent-shaped strips across fingernails and toenails (Mees' line). Other symptoms in acute poisoning relate chiefly to the gastrointestinal tract, nervous system, skin, eyes, and cardiovascular system. Acute poisoning results in swelling of the feet and legs, arthralgia, vomiting, insomnia, hyperesthesia and paresthesia of the hands and feet, mental confusion, polyneuritis with severe pain in the legs and loins, partial paralysis of the legs, angina-like pains, nephritis, wasting and weakness, and lymphocytosis and eosinophilia. In chronic poisoning, central and peripheral nervous system abnormalities may persist including ataxia, tremor, incoordination, paralysis of extremities, endocrine disorders, memory loss, and psychoses may develop. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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**12. ECOLOGICAL INFORMATION**

<b>12.1 Toxicity</b>	Toxicity to fish LC50 - Menidia beryllina - 31 mg/l - 96 h
<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. no data available

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**13. DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

**Product**

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.

**Contaminated packaging**

Dispose of as unused product.

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**14. TRANSPORT INFORMATION**

**14.1 UN number**

ADR/RID: 1707 IMDG: 1707 IATA: 1707

**14.2 UN proper shipping name**

ADR/RID: THALLIUM COMPOUND, N.O.S. (Thallium acetate)  
IMDG: THALLIUM COMPOUND, N.O.S. (Thallium acetate)  
IATA: Thallium compound, n.o.s. (Thallium acetate)

<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: yes IMDG Marine pollutant: yes 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
Repr. Tox.	Reproductive toxicity
H301	Toxic if swallowed
H300 + H330	Fatal if swallowed or if inhaled
H302	Harmful if swallowed
H361	Suspected of damaging fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
STOT RE	Specific target organ toxicity - repeated exposure

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

N	Dangerous for the environment
T+	Very toxic
R26/28	Very toxic by inhalation and if swallowed.
R22	Harmful if swallowed.
R63	Possible risk of harm to the unborn child.
R33	Danger of cumulative effects.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Further information**

**Restrictions for use** No data available

**Training advice** No data available

**References** No data available

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