

## LEGIONELLA GROWTH SUPPLEMENT (BCYE)

### SECTION 1: PRODUCT IDENTIFICATION

**Product Name:** LEGIONELLA GROWTH SUPPLEMENT (BCYE)

**Product Code:** TS 114

**REACH Registration Number:** This product is a mixture. Reach registration number is not available for this mixture

**Relevant identified uses of the substance or mixture and uses advised against advised against**  
Relevant identified uses :Laboratory Chemicals, Analytical Purpose, Biochemical Analysis

### SECTION 2: HAZARDOUS IDENTIFICATION

**Classification of the substance or mixture**

**CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**Label elements**

**Labeling according to Regulation (EC) No.1272/2008**

The product does not need to be labelled in accordance with EC directives or respective national laws.

**Other hazards**

None

### SECTION 3: COMPOSITION /INFORMATION ON INGREDIENTS

**Mixture**

Component	Classification	Concentration
L-Cysteine hydrochloride		
CAS No. : 52-89-1 EC No. : 200-157-7	<b>As Per EC Regulation 1272/2008</b> As Per EC Regulation 1272/2008 Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3 H315; H319; H335	>=1 - <=5%

Component	Classification	Concentration
α-Ketoglutarate monopotassium salt		
CAS No. : 997-43-3 EC No. : 213-641-8	<b>As Per EC Regulation 1272/2008</b> H315; Eye Dam. 1; STOT SE 3 H315; H318; H335	>=5 - <=10%

Refer Section 16 for complete statement of H codes and its classification

### SECTION 4: FIRST AID MEASURES

**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. Consult a physician.

**In case of eye contact**

Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.

**If swallowed**

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

**Most important symptoms and effects, both acute and delayed**

No data available.

**Indication of immediate medical attention and special treatment needed**



No data available

#### SECTION 5: FIRE FIGHTING MEASURES

##### Extinguishing media

##### Suitable extinguishing media

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

**Unsuitable extinguishing media** No data available.

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

Carbon oxides, Hydrogen chloride gas, Sodium oxides

**Advice for fire fighters** Wear self-contained breathing apparatus for fire fighting if necessary.

**Further information** No data available

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

##### Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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

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

##### Reference to other sections

For disposal see section 13.

#### SECTION 7: HANDLING AND STORAGE

##### Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Recommended Storage Temperature** On receipt store between 2-8°C

##### Specific end uses

Apart from the uses mentioned in section 1, no other specific uses are stipulated.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Control parameters

Components with workplace control parameters

##### Exposure controls

##### Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the products.

##### Personal protective equipment

##### Hygiene measure

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the product.

##### Eye/face protection

Tightly fitting safety goggles; Faceshield (8-inch minimum). 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 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 respirator with multi-purpose combination (US) or 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).

**Environment exposure controls**

Do not empty into drains.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties

a) Appearance	: light yellow to Yellow solution
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 octanol/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
u) Thermal decomposition	: No data available

**Other safety information**

No data available

**SECTION 10: STABILITY AND REACTIVITY DATA**

**Reactivity:**No data available

**Chemical stability:**No data available.

**Possibility of hazardous reactions:** No data available

**Conditions to avoid:**No data available

**Incompatible materials:** No data available

**Hazardous decomposition products:** Refer Section 5

**SECTION 11: TOXICOLOGICAL INFORMATION**



**Information on toxicological effects**

**Acute toxicity:**No data available

**Skin corrosion/irritation :** No data available

**Serious eye damage/eye irritation:** No data available

**Respiratory or skin sensitization:**No data available

**Germ cell mutagenicity:**No data available

**Carcinogenicity:**

IARC:No component of this product is present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity:** No data available

**Specific target organ toxicity:** single exposure No data available

**Aspiration hazard:** No data available

**Potential Health Effects :**Inhalation REFER SECTION 2

**Skin:** REFER SECTION 2

**Eyes:**REFER SECTION 2

**Ingestion:** REFER SECTION 2

**Additional Information**

RTECS : Not Available

**Components**

**Calcium chloride**

Acute oral toxicity

Rat LD50 : 1,000 mg/kg

(As per IUCLID)

Acute dermal toxicity

Rat LD50 : 2,630 mg/kg

(As per IUCLID)

Skin irritation

Rabbit

Result : No irritation

(As per OECD Test Guideline 404)

Eye irritation

Rabbit

Result: Eye irritation

(As per OECD Test Guideline 405)

Causes serious eye irritation.

Additional Information

RTECS: EV9800000

**SECTION 12: ECOLOGICAL INFORMATION**

**Toxicity**

No data available

**Components**

**Calcium chloride**

Toxicity to fish

Lepomis macrochirus (Bluegill sunfish) LC50 : 10,650 mg/l; 96 h

(As per IUCLID)

Toxicity to daphnia and other aquatic invertebrates

Daphnia magna (Water flea) EC50 : 144 mg/l; 48 h

(As per IUCLID)

Toxicity to algae

Algae EC50 : 3,130 mg/l; 120 h

(As per IUCLID)



**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**PBT and vPvB assessment**

This substance or mixture contains no components considered to be persistent, bioaccumulating nor toxic (PBT) at levels of 0.1% or higher.

**Other adverse effects**

No data available

**SECTION 13: DISPOSAL CONSIDERATION**

**Waste treatments methods**

**Product**

Offer surplus and non-recyclable solutions to a licenced company. Contact a licenced professional waste disposal service to dispose off this material.

**Contaminated packaging**

Dispose of as unused product

**SECTION 14: TRANSPORT INFORMATION**

**UN - No**

ADNR : ADR : IATA\_C : IATA\_P : IMDG : RID :

**UN proper shipping name**

ADNR : Not dangerous goods  
ADR : Not dangerous goods  
IATA\_C : Not dangerous goods  
IATA\_P : Not dangerous goods  
IMDG : Not dangerous goods  
RID : Not dangerous goods

**Transport hazard class(es)**

ADNR : - ADR : - IATA\_C : - IATA\_P : - IMDG : - RID : -

**Packaging group**

ADNR : ADR : IATA\_C : IATA\_P : IMDG : RID :

**Environmental hazards**

ADNR : No ADR : No IMDG : Marine Pollutant No IATA\_C : No IATA\_P : No RID : No

**Special precautions for use** No data available

**SECTION 15: REGULATORY INFORMATION**

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

**Safety health and environment regulations/legislation specific for the substance or mixture**

No data available

**Chemical Safety Assessment**

No data available

**SECTION 16: OTHER INFORMATION**

Text of H codes and classification mentioned in section 3



H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
Eye Dam. 1	Serious eye damage or eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage or eye irritation, Category 2A
H315 Acute Tox. 3	Skin Irrit. 2 Skin corrosion or irritation, Category 2
STOT SE 3	Specific target organ toxicity, single exposure, Respiratory tract irritation, Category 3

The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.

