

### Material Safety Data sheet

#### Section 1: Product and Company Information

<b>Product Name</b>	Legionella BCYE Growth Supplement		
<b>Catalogue Number</b>	iS47066	<b>Technical Phone</b>	0098 21 66787291
<b>E-mail</b>	ibresco@gmail.com	<b>Fax No</b>	09391003565
<b>Company Address</b>	Zist Kavosh Iranian, No.432, East Kokab Av,45 Metri Golshahr, Karaj, Iran.		

#### Section 2: Hazards Identification

##### Classification of the substance or mixture

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

Serious eye damage or eye irritation, (Category 2A), H319

Skin corrosion or irritation, (Category 2), H315

##### GHS Label elements, including precautionary statements

<b>Pictogram</b>	
<b>Signal word</b>	Warning

##### Hazard Statement(s)

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

##### Precautionary Statement(s)

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

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

P302 + P352 IF ON SKIN: wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

##### Hazards not otherwise classified (HNOC) or not covered by GHS

none

#### Section 3: Composition / Information on Ingredients

##### Mixture

Component	Classification	Concentration*
<b>L-Cysteine hydrochloride</b>		
CAS-No.	52-89-1	As Per EC Regulation 1272/2008 Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3 H315; H319; H335
EC-No.	200-157-7	
		>=1 - <=5%
<b>α-Ketoglutarate monopotassium salt</b>		
CAS No.	997-43-3	As Per EC Regulation 1272/2008 H315; Eye Dam. 1; STOT SE 3 H315; H318; H335
EC No.	213-641-8	
		>=5 - <=10%

\* Weight %

#### Section 4: First Aid Measures

##### Description of first-aid measures

<b>General advice</b>	Consult a physician. Show this safety data sheet to the doctor in attendance.
<b>If inhaled</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>In case of skin contact</b>	Wash with plenty of soap and water. Consult a physician.
<b>In case of eye contact</b>	Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.
<b>If swallowed</b>	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 any 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

Nature of decomposition products unknown

##### Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary

##### Further information

No data available

#### Section 6: Accidental Release Measures

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

Wear respiratory protection. Avoid breathing vapors, 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 absorbent material. 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

## 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; Face shield (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).

##### Control of environmental exposure

Do not let product enter drains.

## Section 9: Physical and Chemical Properties

Physical state	Powder
Color	light yellow to yellow
Odor	No data available
Odor Threshold	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flammability (solid, gas)	No data available
Flash point	No data available
Vapor pressure	No data available
Vapor density	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Viscosity	No data available
Water Solubility	No data available

Partition coefficient: n-octanol/water	No data available
Relative density	No data available
Explosive properties	No data available
Oxidizing properties	No data available
<b>Other safety information</b>	No data available

### Section 10: Stability and Reactivity

<b>Reactivity</b>	No data available
<b>Chemical stability</b>	No data available
<b>Possibility of hazardous reactions</b>	No data available
<b>Conditions to avoid</b>	No data available
<b>Incompatible materials</b>	No data available
<b>Hazardous decomposition products</b>	In the event of fire: see section 5

### Section 11: Toxicological Information

<b>Information on toxicological effects</b>	
<b>Mixture</b>	
<b>Acute toxicity</b>	No data available
<b>Skin corrosion/irritation</b>	Mixture may cause skin irritation.
<b>Serious eye damage/eye irritation</b>	Mixture may cause eye irritation.
<b>Respiratory or skin sensitization</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>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>	No data available
<b>Components</b>	
<b>L-Cysteine Hydrochloride</b>	Acute toxicity Mouse Intravenous LD50: 771 mg/kg Mouse Intraperitoneal LD50: 1,250 mg/kg Germ cell mutagenicity Mouse(male) Result: Negative
<b>Additional Information</b>	RTECS: HA2275000

### Section 12: Ecological Information

<b>Toxicity</b>	No data available
<b>Persistence and degradability</b>	No data available
<b>Bio accumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Results of PBT and vPvB assessment</b>	PBT/vPvB assessment was not conducted as chemical safety assessment is not required.
<b>Other adverse effects</b>	No data available

### Section 13: Disposal Consideration

#### Waste treatment methods

#### Product

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

#### Contaminated packaging

Dispose of as unused product.

### Section 14: Transport Information

<b>UN-No</b>	ADNR: 2811 ADR: 2811 IATA_C: 2811 IATA_P: 2811 IMDG: 2811 RID: 2811
<b>UN proper shipping name</b>	ADNR: Toxic solids, organic, n.o.s. ADR: Toxic solids, organic, n.o.s. IATA_C: Toxic solids, organic, n.o.s. IATA_P: Toxic solids, organic, n.o.s. IMDG: Toxic solids, organic, n.o.s. RID: Toxic solids, organic, n.o.s
<b>Transport hazard class(es)</b>	ADNR: 6.1 ADR: 6.1 IATA_C: 6.1 IATA_P: 6.1 IMDG: 6.1 RID: 6.1
<b>Packaging group</b>	ADNR: III ADR: III IATA_C: III IATA_P: III IMDG: III RID: III
<b>Environmental hazards</b>	ADNR: No ADR: No IMDG: Marine pollutant No IATA_C: No IATA_P: No RID: No
<b>Special precautions for use</b>	No data available

### Section 15: Regulatory Information

#### Regulatory Information

This safety datasheet 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

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### **DISCLAIMER**

For R&D use only. Not for drug, household or other uses.

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### **WARRANTY**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. *ibresco* shall not be held liable for any damage resulting from handling or from contact with the above product.

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