

Material Safety Data sheet

Section 1: Product and Company Information

Product Name	Legionella BMPA Selective Supplement		
Catalogue Number	iS47032	Technical Phone	0098 21 66787291
E-mail	ibresco@gmail.com	Fax No	09391003565
Company Address	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]
 Acute toxicity, Oral, (Category 3), H301
 Skin corrosion or irritation, (Category 2), H315
 Sensitisation, Skin, (Category 1), H317
 Serious eye damage or eye irritation, (Category 2A), H319
 Sensitisation, respiratory, (Category 1), H334
 Specific target organ toxicity, single exposure, Respiratory tract irritation, (Category 3), H335

Label elements

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

Pictogram



Signal word

Danger

Hazard Statement(s)

H301 Toxic if swallowed
 H315 Causes skin irritation
 H317 May cause an allergic skin reaction
 H319 Causes serious eye irritation
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
 H335 May cause respiratory irritation

Precautionary Statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P330 Rinse mouth.
 P337 + P313 IF eye irritation persists: Get medical advice/attention.
 P342 + P311 IF experiencing respiratory symptoms: call a POISON CENTER or doctor/physician.
 P333 + P313 IF SKIN irritation or rash occurs: Get medical advice/attention.

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

none

Section 3: Composition / Information on Ingredients

Mixture

Component		Classification	Concentration*
Anisomycin			
CAS-No.	22862-76-6	As Per EC Regulation 1272/2008	>=80 - <=90%
EC-No.	245-269-7	Acute Tox.oral. 3 H301	
Polymyxin B sulphate			
CAS-No.	1405-20-5	As Per EC Regulation 1272/2008	>=10 - <=20%
EC-No.	215-774-7	Acute Tox.oral 4 H302	
Cefamandole sodium			
CAS-No.	30034-03-8	As Per EC Regulation 1272/2008	>=1 - <=10%
EC-No.	250-009-0	Skin Irrit. 2; Skin Sens. 1; Eye Irrit. 2A; Resp. Sens. 1; STOT SE 3 H315; H317; H319; H334; H335	

* Weight %

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 with plenty of soap and 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 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 not known.

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	White
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
Other safety information	No data available

Section 10: Stability and Reactivity

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

In the event of fire: see section 5

Section 11: Toxicological Information

Information on toxicological effects**Mixture****Acute toxicity**

No data available

Skin corrosion/irritation	Mixture may cause skin irritation.
Serious eye damage/eye irritation	Mixture may cause eye irritation.
Respiratory or skin sensitization	Mixture may cause skin sensitisation.
Carcinogenicity	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.
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
Components	
Polymyxin B Sulfate	Acute Oral Toxicity Mouse LD50: 790 mg/kg Acute Intraperitoneal Toxicity Mouse LD50: 20.5 mg/kg Acute Subcutaneous Toxicity Mouse LD50: 59.5 mg/kg Acute Intravenous Toxicity Mouse LD50: 5.4 mg/kg Additional Information RTECS: TR1150000

Section 12: Ecological Information

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

UN-No	ADNR: 3462 ADR: 3462 IATA_C: 3462 IATA_P: 3462 IMDG: 3462 RID: 3462
UN proper shipping name	ADNR: Toxins extracted from living sources, solid, n.o. ADR: Toxins extracted from living sources, solid, n.o. IATA_C: Toxins extracted from living sources, solid, n.o.

IATA_P: Toxins extracted from living sources, solid, n.o.

IMDG: Toxins extracted from living sources, solid, n.o.

RID: Toxins extracted from living sources, solid, n.o

Transport hazard class(es)	ADNR: 6.1	ADR: 6.1	IATA_C: 6.1	IATA_P: 6.1	IMDG: 6.1	RID: 6.1
Packaging group	ADNR: III	ADR: III	IATA_C: III	IATA_P: III	IMDG: III	RID: III
Environmental hazards	ADNR: No	ADR: No	IMDG: No	IATA_C: No	IATA_P: No	RID: No
Special precautions for use	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

DISCLAIMER

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

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.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of any properties of the product.