

Material Safety Data sheet

Section 1: Product and Company Information

Product Name	Helicobacter Pylori Selective Supplement		
Catalogue Number	iS47027	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

CLP Classification - Regulation (EC) No 1272/2008

Physical hazards

Based on available data, the classification criteria are not met

Health hazards

Skin Corrosion/Irritation Category 2 (H315)
 Serious Eye Damage/Eye Irritation Category 2 (H319)
 Respiratory Sensitization Category 1 (H334)
 Skin Sensitization Category 1 (H317)

Environmental hazards

Based on available data, the classification criteria are not met

Label elements



Signal Word

Danger

Hazard Statements

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

Precautionary Statements

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
 P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
 P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

Section 3: Composition / Information on Ingredients

Mixture

Component	CLP Classification - Regulation (EC) No 1272/2008	Weight*
Vancomycin hydrochloride		
CAS-No.	1404-93-9	STOT SE 3 (H335)
		15.4

		Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317)	
Trimethoprim			
CAS No EC No	738-70-5 EEC No. 212-006-2	Acute Tox. 4 (H302)	7.7
Cefsulodin Sodium			
CAS No EC No	52152-93-9 EEC No. 257-692-4	Resp. Sens. 1(H334) Skin Sens. 1 (H317)	7.7
Amphotericin B			
CAS No EC No	1397-89-3 EEC No. 215-742-2	STOT SE 3 (H335) Skin Irrit. 2 (H315)	7.7

* Weight %

Section 4: First Aid Measures

Description of first-aid measures

If inhaled	Remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact	Wash with plenty of soap and water. Get medical attention if irritation develops and persists.
In case of eye contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation persists.
If swallowed	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.
Self-Protection of the First Aider	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

Most important symptoms and effects, both acute and delayed

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

Section 5: Fire Fighting Measures

Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam.

Unsuitable extinguishing media

No information available.

Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors.

Hazardous Combustion Products

None under normal use conditions.

Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Ensure adequate ventilation. Use personal protective equipment as required.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up

Sweep up and shovel into suitable 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. Do not breathe dust.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.

Conditions for safe storage, including any incompatibilities

Keep at temperatures between 2° and 8 °C.

Technical Rules for Hazardous Substances (TRGS) 510 Storage Class (LGK) (Germany)

Class 13

Section 8: Exposure Controls / Personal Protection

Control parameters

Components with workplace control parameters

Biological limit values

This product, as supplied, does not contain any hazardous materials with biological limits established by the region-specific regulatory bodies.

Derived No Effect Level (DNEL) / Derived Minimum Effect Level (DMEL)

No information available

Predicted No Effect Concentration (PNEC)

No information available.

Exposure controls

Engineering Measures

Ensure that eyewash stations and safety showers are close to the workstation location. Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source.

Personal protective equipment

Eye Protection

Goggles (European standard - EN 166)

Hand Protection

Protective gloves

Glove material	Breakthrough time	Glove thickness	EU standard	Glove comments
Disposable gloves	See manufacturers recommendations	-	EN 374	(minimum requirement)

Skin and body protection

Long sleeved clothing.

Inspect gloves before use.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information) Ensure gloves are suitable for the task: Chemical compatibility, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Remove gloves with care avoiding skin contamination.

Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained properly.

Large scale/emergency use

In case of insufficient ventilation, wear suitable respiratory equipment

Small scale/Laboratory use

Use a NIOSH/MSHA or European Standard EN 149:2001 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. When RPE is used a face piece Fit Test should be conducted.

Environmental exposure controls

No information available.

Section 9: Physical and Chemical Properties

Physical state	Powder	
Color	Pale yellow	
Odor	No information available	
Odor Threshold	No data available	
Melting point/freezing point	No data available	
Initial boiling point and boiling range	Not applicable	
Evaporation rate	Not applicable - Solid	
Flammability (solid, gas)	No information available	
Flash point	Not applicable	
Vapor pressure	No data available	
Vapor density	Not applicable	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
pH	Not applicable	
Viscosity	Not applicable	
Water Solubility	Soluble in water	
Partition coefficient: n-octanol/water	Component Trimethoprim	log Pow 0.48
Density	No data available	
Explosive properties	No data available	

Section 10: Stability and Reactivity

Reactivity

None known, based on information available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Hazardous Polymerization

Hazardous polymerization does not occur.

Hazardous Reactions

None under normal processing.

Conditions to avoid

Incompatible products. Excess heat.

Incompatible materials

None known.

Hazardous decomposition products

None under normal use conditions.

Section 11: Toxicological Information

Information on toxicological effects

Product Information

Product does not present an acute toxicity hazard based on known or supplied information

Mixture

Acute toxicity

Oral Based on available data, the classification criteria are not met

Dermal No data available

Inhalation No data available

Toxicology data for the components

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Vancomycin hydrochloride	LD50 > 10 g/kg (Rat)	-	-
Trimethoprim	>5300 mg/kg (Rat)	-	-
Cefsulodin Sodium	LD50 > 15 g/kg (Rat)	-	-
Amphotericin B)	LD50 > 5 g/kg (Rat)	-	-

Skin corrosion/irritation

Category 2

Serious eye damage/eye irritation

Category 2

Respiratory or skin sensitization

Respiratory Category 1

Skin Category 1

May cause sensitization by inhalation and skin contact

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

There are no known carcinogenic chemicals in this product

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Target Organs No information available.

Aspiration hazard

Not applicable

Solid

Symptoms / effects, both acute and delayed

Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing.

Information on other hazards

Endocrine Disrupting Properties Assess endocrine disrupting properties for human health. This product does not contain any known or suspected endocrine disruptors.

Section 12: Ecological Information

Toxicity

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

Persistence and degradability

Soluble in water, Persistence is unlikely, based on information available.

Bio accumulative potential

Bioaccumulation is unlikely

Mobility in soil

The product is water soluble, and may spread in water systems Will likely be mobile in the environment due to its water solubility. Highly mobile in soils.

Results of PBT and vPvB assessment	No data available for assessment.
Endocrine disrupting properties	This product does not contain any known or suspected endocrine disruptors.
Other adverse effects	Persistent Organic Pollutant This product does not contain any known or suspected substance Ozone Depletion Potential This product does not contain any known or suspected substance

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

IMDG	Not regulated
ADR	Not regulated
IATA	Not regulated
Further information	Environmental hazards No hazards identified Special precautions for user No special precautions required Maritime transport in bulk according to IMO instruments Not applicable, packaged goods

Section 15: Regulatory Information

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

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.

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