

Material Safety Data sheet

Section 1: Product and Company Information

Product Name	Oxford Listeria Selective Supplement		
Catalogue Number	iS47038	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

GHS Classification in accordance with Hazardous Products Regulations (HPR) (SOR/2015-17)

Acute toxicity, Oral (Category 2), H300
 Eye irritation (Category 2A), H319
 Germ cell mutagenicity (Category 2), H341
 Reproductive toxicity (Category 1B), H360
 Short-term (acute) aquatic hazard (Category 2), H401
 Long-term (chronic) aquatic hazard (Category 2), H411

GHS Label elements, including precautionary statements

Pictogram



Signal Word

Danger

Hazard Statements

H300 Fatal if swallowed.
 H319 Causes serious eye irritation.
 H341 Suspected of causing genetic defects.
 H360 May damage fertility or the unborn child.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P264 Wash skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308 + P313 IF exposed or concerned: Get medical advice/ attention.
 P337 + P313 If eye irritation persists: Get medical advice/ attention.
 P391 Collect spillage.
 P405 Store locked up.
 P501 Dispose of contents/ container to an approved waste disposal plant.

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

Caution: Physiologically highly active, therapeutically usable substance. The substance must be handled with the care required for hazardous materials.

- none

Section 3: Composition / Information on Ingredients

Mixture

Component	Classification	Concentration*
Cycloheximide		
CAS-No.	66-81-9	Acute Tox. 2; Muta. 2; Repr. 1B; Aquatic Acute 2; Aquatic Chronic 2; H300, H341, H360, H401, H411
EC-No.	200-636-0	
Index-No.	613-140-00-8	
Acriflavine hydrochloride		
CAS-No.	69235-50-3	Acute Tox. 4; Eye Dam. 1; Aquatic Chronic 2; H302, H318, H411

* Weight %

Section 4: First Aid Measures

Description of first-aid measures

General advice	Show this material safety data sheet to the doctor in attendance.
If inhaled	After inhalation: fresh air. Call in physician.
In case of skin contact	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician.
In case of eye contact	After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses. If swallowed: give water to drink (two glasses at most). Seek medical advice immediately.
If swallowed	In exceptional cases only, if medical care is not available within one hour, induce vomiting (only in persons who are wide awake and fully conscious), administer activated charcoal (20 - 40 g in a 10% slurry) and consult a doctor as quickly as possible.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

No data available

Section 5: Fire Fighting Measures

Extinguishing media

Suitable extinguishing media

Water Foam Carbon dioxide (CO2) Dry powder

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

Special hazards arising from the substance or mixture

Carbon oxides
Nitrogen oxides (NOx)
Sulfur oxides
Oxides of phosphorus
Sodium oxides

Combustible.

Fire may cause evolution of:
nitrogen oxides

Development of hazardous combustion gases or vapors possible in the event of fire.

Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully. Dispose of properly. Clean up affected area. Avoid generation of dusts.

Reference to other sections

For disposal see section 13.

Section 7: Handling and Storage

Precautions for safe handling

Advice on safe handling

Work under hood. Do not inhale substance/mixture.

Hygiene measures

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

For precautions see section 2.

Conditions for safe storage, including any incompatibilities

Storage conditions Tightly closed. Dry. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.

Recommended storage temperature see product label.

Storage class Storage class (TRGS 510): 6.1A: Combustible, acute toxic Cat. 1 and 2 / very toxic hazardous materials.

Section 8: Exposure Controls / Personal Protection

Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Exposure controls

Appropriate engineering controls

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

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses.

Skin protection

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: > 480 min

Material tested: KCL 741 Dermatril® L

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: > 480 min

Material tested: KCL 741 Dermatril® L

Body Protection

protective clothing

Respiratory protection

Recommended Filter type: Filter type P3

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented. required when dusts are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Control of environmental exposure

Do not let product enter drains.

Section 9: Physical and Chemical Properties	
Physical state	solid
Color	yellow
Odor	odorless
Odor Threshold	Not applicable
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	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	soluble
Partition coefficient: n-octanol/water	No data available

Density	No data available
Relative density	No data available
Explosive properties	Not classified as explosive.
Oxidizing properties	none
Other safety information	No data available

Section 10: Stability and Reactivity

Reactivity

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

Possibility of hazardous reactions

Violent reactions possible with:

Strong oxidizing agents

Strong bases

Acid chlorides

Acid anhydrides

Conditions to avoid

no information 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	Acute toxicity estimate Oral - 5.57 mg/kg (Calculation method) Symptoms: Possible symptoms:, mucosal irritations Dermal: No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	Remarks: Mixture causes serious eye irritation.
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	Evidence of genetic defects.
Carcinogenicity	No data available
Reproductive toxicity	May harm the unborn child. May impair fertility.
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	Other dangerous properties can not be excluded. This substance should be handled with particular care.

Handle in accordance with good industrial hygiene and safety practice.

Components

Cycloheximide

Acute toxicity estimate Oral - 5.1 mg/kg
(Expert judgment)
Remarks: (Regulation (EC) No 1272/2008, Annex VI)
Acute toxicity
Inhalation: No data available
Dermal: No data available
No data available
Skin - Rabbit
Result: slight irritation
Skin corrosion/irritation
Remarks: (RTECS)
(Regulation (EC) No 1272/2008, Annex VI)
Serious eye damage/eye irritation
Remarks: No data available
Respiratory or skin sensitization
Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
Germ cell mutagenicity
Suspected of causing genetic defects.
Carcinogenicity
No data available
Reproductive toxicity
May damage the unborn child.
Specific target organ toxicity - single exposure
No data available
Specific target organ toxicity - repeated exposure
No data available
Aspiration hazard
No data available

Acriflavine hydrochloride

LD50 Oral - Rat - 1,048 mg/kg
Remarks: (External MSDS)
Symptoms: cardiovascular disorders, Breathing difficulties
Acute toxicity
Oral: absorption
Inhalation: No data available
Dermal: No data available
Skin - Rabbit
Result: No skin irritation
Skin corrosion/irritation
Remarks: (External MSDS)
Eyes - Rabbit
Result: Eye irritation
Serious eye damage/eye irritation
Remarks: (External MSDS)
Remarks: Risk of serious damage to eyes.
Respiratory or skin sensitization
No data available
Germ cell mutagenicity
No data available
Carcinogenicity
No data available
Reproductive toxicity
No data available
Specific target organ toxicity - single exposure
No data available
Specific target organ toxicity - repeated exposure
No data available
Aspiration hazard
No data available

Section 12: Ecological Information

Toxicity	
Mixture	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 not available as chemical safety assessment not required/not Conducted.
Endocrine disrupting properties	No data available
Other adverse effects	No data available
Components	
Cycloheximide	No data available (Regulation (EC) No 1272/2008, Annex VI)
Acriflavine hydrochloride	
Toxicity to fish	LC50 - Leuciscus idus (Golden orfe) - 1 - 10 mg/l - 48 h (OECD Test Guideline 203)

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

TDG	UN number: 2811 Class: 6.1 Packing group: II Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (Cycloheximide) Labels: 6.1 ERG Code: 154 Marine pollutant: no
IMDG	UN number: 2811 Class: 6.1 Packing group: II EMS-No: F-A, S-A Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (Cycloheximide) Marine pollutant: yes
IATA	UN number: 2811 Class: 6.1 Packing group: II Proper shipping name: Toxic solid, organic, n.o.s. (Cycloheximide)

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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