

### Material Safety Data sheet

#### Section 1: Product and Company Information

<b>Product Name</b>	S.F.P Selective Supplement		
<b>Catalogue Number</b>	iS47079	<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

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

Reproductive toxicity (Category 1B), H360

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

<b>Pictogram</b>	
<b>Signal Word</b>	Danger

##### Hazard Statements

H360 May damage fertility or the unborn child.

##### Precautionary Statements

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
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

none

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

##### Mixture

**Synonyms** Perfringens S.F.P. Selective Supplement  
Shahidi Ferguson Perfringens Selective Supplement

<b>Component</b>	<b>Classification</b>	<b>Concentration*</b>
<b>Kanamycin disulfate</b>		
CAS-No.	64013-70-3	Repr. 1B; H360
		>= 70 - < 90 %
<b>Polymyxin B</b>		
CAS-No.	1404-26-8	Acute Tox. 4; H302
EC-No.	215-768-4	
		>= 20 - < 30 %

\* Weight %

#### Section 4: First Aid Measures

##### Description of first-aid measures

<b>General advice</b>	Consult a physician. Show this material safety data sheet to the doctor in attendance. Move out of dangerous area.
<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 off with soap and plenty of water. Consult a physician.
<b>In case of eye contact</b>	Flush eyes with water as a precaution.
<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

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

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

##### 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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

##### 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

Pick up and arrange disposal without creating dust. Sweep up and shovel. 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

##### Advice on safe handling

Avoid formation of dust and aerosols.

##### Advice on protection against fire and explosion

Provide appropriate exhaust ventilation at places where dust is formed.

##### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

For precautions see section 2.

---

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

<b>Storage conditions</b>	Keep container tightly closed in a dry and well-ventilated place.
<b>Storage stability</b>	Recommended storage temperature 2 - 8 °C Keep in a dry place.
<b>Storage class</b>	Storage class (TRGS 510): 6.1C: Combustible, acute toxic Cat.3 / toxic compounds or compounds which causing chronic effects

---

**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**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Personal protective equipment****Eye/face protection**

Safety glasses with side-shields conforming to EN166 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 of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Body Protection**

Impervious clothing, 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 fullface particle respirator type N100 (US) or type P3 (EN 143) 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**

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

---

**Section 9: Physical and Chemical Properties**

---

Physical state	Powder
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
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	No data available
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
<b>Other safety information</b>	No data available

### Section 10: Stability and Reactivity

<b>Reactivity</b>	No data available
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	No data available
<b>Conditions to avoid</b>	No data available
<b>Incompatible materials</b>	Strong oxidizing agents
<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>	Acute toxicity estimate Oral - 5,935 mg/kg (Calculation method) Acute toxicity estimate Oral - 2,048 mg/kg (Calculation method) Inhalation: No data available Dermal: No data available No data available
<b>Skin corrosion/irritation</b>	Remarks: No data available
<b>Serious eye damage/eye irritation</b>	Remarks: No data available
<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>Specific target organ toxicity - single exposure</b>	No data available

**Specific target organ toxicity - repeated exposure** No data available  
**Aspiration hazard** No data available  
**Additional Information** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Components**

**Kanamycin disulfate**

**Acute toxicity** LD50 Oral - Rat - > 4,000 mg/kg  
 Inhalation: No data available  
 Dermal: No data available  
 No data available  
**Skin corrosion/irritation** Remarks: No data available  
**Serious eye damage/eye irritation** Remarks: No data available  
**Respiratory or skin sensitization** No data available  
**Germ cell mutagenicity** No data available  
**Carcinogenicity** No data available  
**Reproductive toxicity** May cause congenital malformation in the fetus.  
 Presumed human reproductive toxicant  
 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

**Polymyxin B**

**Acute toxicity** LD50 Oral - Mouse - 1,187 mg/kg  
 TDLo Oral - Human - 8,570 mg/kg  
 Remarks: Gastrointestinal disturbance  
 Inhalation: No data available  
 Dermal: No data available  
 LD50 Intramuscular - Rat - 13.3 mg/kg  
 Remarks:  
 Behavioral: Somnolence (general depressed activity).  
 Behavioral: Convulsions or effect on seizure threshold.  
 Lungs, Thorax, or Respiration: Other changes.  
 LD50 Intramuscular - Mouse - 61.4 mg/kg  
 Remarks:  
 Behavioral: Somnolence (general depressed activity).  
 Behavioral: Convulsions or effect on seizure threshold.  
 Lungs, Thorax, or Respiration: Other changes.  
 LD50 Intravenous - Mouse - 6.1 mg/kg  
 LD50 Intraperitoneal - Mouse - 12.1 mg/kg  
 LD50 Subcutaneous - Mouse - 82.5 mg/kg  
 TDLo Intravenous - Rat - 0.010 mg/kg  
 Remarks:  
 Behavioral: Change in motor activity (specific assay).  
 TDLo Intravenous - Rat - 0.1 mg/kg  
 LDLO Intraperitoneal - Mouse - 13 mg/kg  
 Remarks:  
 Behavioral: Convulsions or effect on seizure threshold.  
 Behavioral: Muscle weakness.

<b>Skin corrosion/irritation</b>	Remarks: No data available
<b>Serious eye damage/eye irritation</b>	Remarks: No data available
<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<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

### 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

**Kanamycin disulfate** No data available

**Polymyxin 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

**TDG** Not regulated as a dangerous good

**IMDG** Not dangerous goods

**IATA** Not dangerous goods

**Further information** Not classified as dangerous in the meaning of transport regulations.

---

### 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.

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.