



# Material Safety Data Sheet

## Section 1 - Product and Company Information

**Product Name:** Actero<sup>TM</sup> Palcam Supplement  
**Catalog Number:** FCM-210 Actero<sup>TM</sup> Palcam Supplement 60 mls  
FCM-211 Actero<sup>TM</sup> Palcam Supplement 10 x 5mls

**Manufacturer:** Dalynn Biologicals Inc.  
**Address:** 3253 – 34 Avenue N.E.  
Calgary, Alberta, Canada, T1Y 6X2  
**Phone:** (403) 263-6357  
(877) 298-0208

## Section 2 - Composition / Information on Ingredients

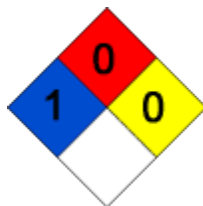
**Chemical Characterization:**

**Description:** This product is a mixture of the substances listed below along with nonhazardous additions. Any other hazardous ingredients within the product not listed below, are at concentrations lower than the regulatory threshold limits specified by 29 CFR 1910.1200.

CAS #	Hazardous Ingredients
1405-20-5	Polymyxin B Sulfate
8063-24-9	Acriflavine Hydrochloride
78439-06-2	Ceftazidime Pentahydrate

## Section 3 - Hazards Identification

**Hazard Overview:** Causes irritation in case of eye contact, ingestion or inhalation. May cause skin irritation.



**NFPA Rating**

Health - 1  
Fire - 0  
Reactivity - 0

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## Section 4 - First Aid Measures

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<b>General Advice:</b>	Consult a physician. Show this safety data sheet to the doctor in attendance.
<b>Inhalation:</b>	If inhaled, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>Ingestion:</b>	Never give anything by mouth to an unconscious person. If conscious wash mouth out repeatedly with water. Consult a physician.
<b>Skin Contact:</b>	Wash off with soap and plenty of water for at least 15 minutes. Consult a physician.
<b>Eye Contact:</b>	Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician.

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## Section 5 - Fire Fighting Measures

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<b>Suitable Extinguishing Media:</b>	Use water spray, carbon dioxide, dry chemical powder or alcohol resistant foam.
<b>Protective Equipment:</b>	Wear protective clothing and self-contained breathing apparatus for firefighting if necessary.

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## Section 6 - Accidental Release Measures

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<b>Personal Precautions:</b>	Use personal protective equipment. Avoid dust formation or breathing vapor's, mist or gas. Ensure adequate ventilation. Avoid breathing dust.
<b>Methods for Clean Up:</b>	Pick up and arrange disposal without crating dust. Wipe up with a damp sponge and transfer to suitable closed containers for disposal.

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## Section 7 - Handling and Storage

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<b>Safe Handling:</b>	Avoid contact with skin or eyes. Avoid formation of dust or aerosols. Provide appropriate exhaust ventilation at locations where dust is formed.
<b>Storage:</b>	Keep container tightly closed in a cool dry place in accordance with specified storage conditions.



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## Section 8 - Exposure Controls and Personal Protection Equipment

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### Personal protective equipment

#### Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand 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.

#### Eye 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 and 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.

#### Hygiene measures

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

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## Section 9 - Physical and Chemical Properties

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### Appearance

**Physical State:** Solid  
**Color:** Orange Crystalline Powder

### Safety Data

**pH:**  
**Boiling Point:** No data available  
**Melting Point:** No data available  
**Flash Point:** No data available  
**Ignition Temperature** No data available  
**Auto igniting Temp:** No data available  
**Explosion Limits:** No data available  
**Vapor Pressure:** No data available  
**Density:** No data available  
**Odor** No data available  
**Solubility:** Soluble



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## Section 10 - Stability and Reactivity

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**Stability:** Stable under recommended storage conditions  
**Materials to be Avoided:** Oxidizing agents  
**Decomposition Products:** Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides.

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## Section 11 - Toxicological Information

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**Skin Contact:** May be irritating to the skin.  
**Eye Contact:** Causes eye irritation.  
**Ingestion:** Causes irritation by ingestion.  
**Inhalation:** Causes irritation by inhalation.  
**Sensitization:** Yes  
**Target Organs:** Not available

**Additional toxicological information: Irritant**

May cause sensitization by inhalation or skin contact. May cause skin irritation and allergic skin reaction in sensitive individuals. This product contains numerous antimicrobial agents that can cause hypersensitivity reactions in certain individuals; personnel with known allergies should avoid handling the product.

Acriflavine has shown tumorigenic properties in some studies. The chronic toxicological effects of exposure to this product have not been thoroughly investigated.

**Toxicity Data:** LD/Lc50 values that are relevant for classification

<b>1405-20-5</b>	<b>Polymyxin B Sulfate</b>
Oral	LD50 790 mg/kg (rat)
<b>8063-24-9</b>	<b>Acriflavine Hydrochloride</b>
Oral	LD50 1,048 mg/kg (rat)
<b>78439-06-2</b>	<b>Ceftazidime Pentahydrate</b>
Data not available	

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## Section 12 - Ecological Information

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**Toxicity:** No data available  
**General Information:** No data available



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### Section 13 - Disposal Considerations

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**Waste Disposal:** Dispose of in accordance with applicable state and federal regulations. Offer surplus and non-recyclable solutions to a licensed disposal company. This product is not considered a RCRA hazardous waste.

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### Section 14 - Transport Information

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**DOT (US):** Not a dangerous good  
**IATA:** Not a dangerous good

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### Section 15 - Regulations

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**Warning Label Text**

**Indication of Hazard:** Harmful  
**Risk Statements:** Irritating to eyes, skin and respiratory system.  
**Safety Statements:** Avoid contact or inhalation. Refer to MSDS.

**Carcinogenicity**

**NTP:** Possible  
**IARC:** Possible  
**OSHA:** Possible

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### Section 16 - Other Information

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This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. These suggestions should not be confused with state, municipal or insurance requirements, and constitute No Warranty. Dalynn Biologicals Inc. or FoodChek Systems Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

