

# SAFETY DATA SHEET

[Required under safety and health regulations for shipping and handling]

Version: 2022  
Date Updated: December 31, 2022

## SECTION 1. ----- PRODUCT AND COMPANY IDENTIFICATION -----

<b>Product Name</b>	PALCAM Selective Additives
<b>Product Code(s)</b>	SG7282
<b>Recommended Use</b>	For Laboratory Research Use Only Not for Human or Animal Drug Use
<b>Supplier</b>	Bio Basic Asia Pacific Pte Ltd.
<b>Address</b>	2 International Business Park Road Strategy #01-04, Singapore 609930
<b>Telephone</b>	(+65) 6954 2519 (+65) 6491 5938
<b>Email</b>	sg@biobasic-asia.com

## SECTION 2. ----- HAZARDS IDENTIFICATION -----

### Classification of the substance or mixture

Skin sensitization: Category 1  
Respiratory sensitization: Category 1  
Acute toxicity (Oral): Category 4

### GHS Label elements, including precautionary statements

Hazard pictograms:



**Signal Word:** Danger

**Hazard Statements:** H302 Harmful if swallowed.

H317 May cause an allergic skin reaction

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### Precautionary Statements

**Prevention:** P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P284 Wear respiratory protection.

**Response:** P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.  
Rinse mouth.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.

P362 + P364 Take off contaminated clothing and wash it before reuse.

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**Disposal:** 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 -----

### Mixtures

Mixture

### Components

Chemical Name	CAS-No.
Polymyxin B Sulfate	1405-20-5
Ceftazidime	72558-82-8
Acriflavine Hydrochloride	8063-24-9

## 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 the person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Immediately remove all contaminated clothing. Wash off with soap and plenty of water for several minutes. Consult a physician.

#### In case of eye contact

Rinse out with plenty of water for at least 15 minutes. Remove contact lenses.

#### 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

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 -----

### Suitable extinguishing media

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

### Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Sodium oxides

### Advice for firefighters

Wear self-contained breathing apparatus for firefighting in the event of fire.

### 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.

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## SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----

### **Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapors, mist or gas. 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. Soak up with inert absorbent material. Take up dry. Dispose of properly. Clean up affected area.

Keep in suitable, closed containers for disposal.

### **Reference to other sections**

See sections 12 and 13 for more information.

## SECTION 7. ----- HANDLING AND STORAGE-----

### **Precautions for safe handling**

Avoid contact with skin and eyes. Work under hood. Avoid formation of aerosols. Immediately change contaminated clothing. Wash hands and face after working with substance. Apply preventive skin protection.

For precautions see section 2.

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

Keep container tightly closed at 2-8°C

Storage class: 12, Non-Combustible Liquids

### **Specific end use(s)**

Apart from the uses mentioned in section 1 no other specific uses are stipulated

## SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION-----

### **Control parameters**

### **Ingredients 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. Ensure adequate ventilation, especially in confined areas.

### **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. 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.

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## **Respiratory protection**

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 -----**

### **Information on basic physical and chemical properties**

Appearance	Form: liquid
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	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**

Stable under recommended storage conditions.

### **Possibility of hazardous reactions**

No data available

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**Conditions to avoid**

No data available

**Incompatible materials**

Strong oxidizing agents

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Hydrogen chloride gas, Sodium oxides  
In the event of fire: see section 5

**SECTION 11. ----- TOXICOLOGICAL INFORMATION -----**

**Mixture**

**Acute toxicity**

Oral: No data available

Inhalation: No data available

Dermal: No data available

Chemical Name	CAS-No.	LD50 Oral
Ceftazidime	72558-82-8	> 20,000 mg/kg (Rat)
Polymyxin B Sulfate	1405-20-5	790 mg/kg (Mouse)

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

May cause slight irritation in susceptible persons.

**Respiratory or skin sensitization**

Mixture may cause an allergic respiratory and skin reaction.

**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**

May be harmful if swallowed.

**Additional Information**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

**SECTION 12. ----- ECOLOGICAL INFORMATION -----**

**Toxicity**

Chemical Name	CAS-No.	Fish	Daphnia and Other Aquatic Invertebrates
Ceftazidime	72558-82-8	LC50 (Oncorhynchus mykiss (rainbow trout)): > 106 mg/L, 96h	EC50 (Daphnia magna (Water flea)): > 106 mg/l, 48h

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**Persistence and degradability**

No data available

**Bioaccumulative 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

**Other adverse effects**

No data available

**SECTION 13. ----- DISPOSAL CONSIDERATIONS -----**

**Waste treatment methods**

**Product**

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

**Contaminated packaging**

Dispose of as unused product in accordance with the national and local regulations.

**SECTION 14. ----- TRANSPORT INFORMATION -----**

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous 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 -----**

Further information: no limited for paper copy, just for internal uses.  
For research use only. Not intended for human or animal diagnostic or therapeutic uses.

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**Issuing Date:** 31-Dec-2022

**End of SDS**