



# SAFETY DATA SHEET

Fludyn™ B-PHYCOERYTHRIN

# BIOSCIENCIA®

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME *Fludyn™ B-PHYCOERYTHRIN PURE GRADE*

CATALOG NUMBERS

Size	Precipitated form catalog number	Lyophilised form catalog number
5mg	BPE-PPG-1005M	BPE-LPG-1005M
10mg	BPE-PPG-1010M	BPE-LPG-1010M
50mg	BPE-PPG-1050M	BPE-LPG-1050M
100mg	BPE-PPG-1100M	BPE-LPG-1100M

UNIT SIZE : *1 vial*

MANUFACTURER: *BIOSCIENCIA SAS*  
*2, place Viala*  
*34000 Montpellier, France*  
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## Precipitated Form

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS No.	Index No.	EC No.	Weight %	Classification according to 67/548/EEC	Classification according to regulation (EC)No1278/2008
B-PHYCOERYTHRIN	-	-	-	< 5 %	-	-
(NH4)2SO	7783-20-2	-	231-984-1	< 35 %	-	-
Na <sub>2</sub> HPO <sub>4</sub>	7558-79-4	-	231-448-7	< 0,05 %	-	-
NaH <sub>2</sub> PO <sub>4</sub>	13472-35-0	-	231-449-2	< 0,05 %	-	-
EDTA	60-00-4	607-429-00-8	200-449-4	< 0,05 %	Xi = irritant, R36	Eye irritation 2, H319
NaN <sub>3</sub>	26628-22-8	011-004-00-7	247-852-1	< 0,01 %	T+= very toxic, R28,R32,R50-53	Acute Tox.2, H300,H400,H410

## SECTION 3: HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No 1272/2008[CLP]  
Classification according to Directive 1999/45/EC

None  
None

Labelling according to Regulation (EC) No 1272/2008[CLP]

Hazard pictogram  
Signal word  
Hazard statements  
Precautionary statements

None  
None  
None  
None

HMIS Classification

Health hazard: 0  
Flammability: 0  
Physical hazards: 0

NFPA Rating

Health hazard: 0  
Fire: 0  
Reactivity Hazard: 0

## SECTION 4: FIRST AID MEASURES

General advice



Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

*If inhaled*

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

*In case of skin contact*

Wash off with soap and plenty of water. Consult a physician.

*In case of eye contact*

Flush eyes with water as a precaution.

*If swallowed*

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## SECTION 5: FIRE-FIGHTING MEASURES

*Suitable extinguishing media*

Carbon dioxide, dry chemical extinguishers, foam extinguishers or water.

*Special protective equipment for firefighters*

Wear self contained breathing apparatus for firefighting if necessary.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

*Personal precautions*

Avoid breathing vapors, mist or gas. Remove all sources of ignition.

*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*

Contain spillage. Soak up spilled substance with inert absorbent material. . Keep in suitable, closed containers for disposal.

## SECTION 7: HANDLING AND STORAGE

*Precautions for safe handling*

Avoid inhalation of vapor or mist.  
Avoid direct contact with substance.

*Conditions for safe storage*

Keep container tightly closed in a dry and well-ventilated place.  
Store at 4°C in the dark.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

*Components with workplace control parameters*

Substance	B-PHYCOERYTHRIN
Control parameter	No information available

*Personal protective equipment*

*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.

*Respiratory protection*

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

*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).

*Hygiene measures*

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

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Chemical Name	B-PHYCOERYTHRIN
Appearance	Liquid, Pink
Odor	No information available
Odor threshold	No information available
pH	7
Melting point/freezing point	No information available
Boiling point	No information available
Flash point	No information available
Evaporate rate	No information available
Flammability	No information available
Explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Solubility	Soluble in water
Partition coefficient:n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available
Explosive properties	No information available
Oxidising properties	No information available

**SECTION 10: STABILITY AND REACTIVITY***Chemical stability*

Stable under recommended storage conditions.

*Possibility of hazardous reactions*

No data available

*Conditions to avoid*

Heat, flames and sparks.

*Materials to avoid*

No data available

*Hazardous decomposition products*

Hazardous decomposition products formed under fire conditions : Carbon oxides.

Other decomposition products : no data available

**SECTION 11: TOXICOLOGICAL INFORMATION***Acute toxicity*

Oral LD50	None
Inhalation LC50	None
Dermal LD50	None
Other information on acute toxicity	No data available

Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available

*Carcinogenicity*

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

*Reproductive toxicity*

No data available

Specific target organ toxicity - single exposure (Globally Harmonized System) No data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System) No data available

*Aspiration hazard*

No data available

**Potential health effects**

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Additional Information

RTECS: None

**SECTION 12: ECOLOGICAL INFORMATION**

Toxicity	No information available
Persistence and degradability	No information available
Biodegradation	No information available
Mobility in soil	No information available
Results of PBT and vPvB assessment	No information available
Other adverse effects	No information available
Additional information	No information available

**SECTION 13: DISPOSAL CONSIDERATIONS**

Do not dispose product directly into sewage. Consult local state or national regulation for proper disposal.

**SECTION 14: TRANSPORT INFORMATION**

IATA, IMDG, DOT(US)	Not dangerous good during transportation
UN number	None
UN proper shipping name	None
Transport hazard class	None
Packing group	None
Environmental hazards	None
Special precaution for user	None

**SECTION 15: REGULATORY INFORMATION**

US Federal Regulations

Us Toxic Substances Control Act(TSCA): Not listed

SARA 302: No chemicals were found .

SARA 313: No chemicals were found.

SARA 311/312 Hazards : No chemicals were found.

**SECTION 16: OTHER INFORMATION**

Classification according to Regulation (EC) Nr. 1272/2008

Prepared by: Quality and traceability department

Biosciencia SAS

Version no. 1

The information provided above is believed to be correct to our best knowledge, but does not purport to be all inclusive, and shall be used only as a guide. This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. Biosciencia shall not be held liable for any damage resulting from handling or contact with the above product.



## Lyophilised Form

**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

Name	CAS No.	Index No.	EC No.	Weight %	Classification according to 67/548/EEC	Classification according to regulation (EC)No1278/2008
B-PHYCOERYTHRIN	-	-	-	< 50 %	-	-
Sucrose	57-50-1	-	200-334-9	< 50 %	-	-
Na <sub>2</sub> HPO <sub>4</sub>	7558-79-4	-	231-448-7	< 0,05 %	-	-
NaH <sub>2</sub> PO <sub>4</sub>	13472-35-0	-	231-449-2	< 0,05 %	-	-
EDTA	60-00-4	607-429-00-8	200-449-4	< 0,05 %	Xi = irritant, R36	Eye irritation 2, H319
NaN <sub>3</sub>	26628-22-8	011-004-00-7	247-852-1	< 0,01 %	T+= very toxic, R28,R32,R50-53	Acute Tox.2, H300,H400,H410

**SECTION 3: HAZARDS IDENTIFICATION**

Classification according to Regulation (EC) No 1272/2008[CLP]

None

Classification according to Directive 1999/45/EC

None

*Labelling according to Regulation (EC) No 1272/2008[CLP]*

Hazard pictogram

None

Signal word

None

Hazard statements

None

Precautionary statements

None

*HMIS Classification*

Health hazard: 0

Flammability: 0

Physical hazards: 0

*NFPA Rating*

Health hazard: 0

Fire: 0

Reactivity Hazard: 0

**SECTION 4: FIRST AID MEASURES***General advice*

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

*If inhaled*

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

*In case of skin contact*

Wash off with soap and plenty of water. Consult a physician.

*In case of eye contact*

Flush eyes with water as a precaution.

*If swallowed*

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**SECTION 5: FIRE-FIGHTING MEASURES***Suitable extinguishing media*

Carbon dioxide, dry chemical extinguishers, foam extinguishers or water.

*Special protective equipment for firefighters*

Wear self contained breathing apparatus for firefighting if necessary.

**SECTION 6: ACCIDENTAL RELEASE MEASURES***Personal precautions*

Avoid breathing vapors, mist or gas. Remove all sources of ignition.

*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*

Contain spillage. Soak up spilled substance with inert absorbent material. . Keep in suitable, closed containers for disposal.

**SECTION 7: HANDLING AND STORAGE***Precautions for safe handling*

Avoid inhalation of vapor or mist.

Avoid direct contact with substance.

*Conditions for safe storage*

Keep container tightly closed in a dry and well-ventilated place.

Store at 4°C in the dark.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION***Components with workplace control parameters*

Substance B-PHYCOERYTHRIN

Control parameter No information available

*Personal protective equipment**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.

*Respiratory protection*

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

*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).

*Hygiene measures*

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

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Chemical Name	B-PHYCOERYTHRIN
Appearance	Powder, Pink
Odor	No information available
Odor threshold	No information available
pH	7
Melting point/freezing point	No information available
Boiling point	No information available
Flash point	No information available
Evaporate rate	No information available
Flammability	No information available
Explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Solubility	Soluble in water
Partition coefficient:n-octanol/water	No information available
Auto-ignition temperature	No information available



Decomposition temperature	No information available
Viscosity	No information available
Explosive properties	No information available
Oxidising properties	No information available

**SECTION 10: STABILITY AND REACTIVITY***Chemical stability*

Stable under recommended storage conditions.

*Possibility of hazardous reactions*

No data available

*Conditions to avoid*

Heat, flames and sparks.

*Materials to avoid*

No data available

*Hazardous decomposition products*

Hazardous decomposition products formed under fire conditions : Carbon oxides.

Other decomposition products : no data available

**SECTION 11: TOXICOLOGICAL INFORMATION***Acute toxicity*

Oral LD50	None
Inhalation LC50	None
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Other information on acute toxicity	No data available

Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
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*Aspiration hazard*

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*Potential health effects*

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

## Additional Information

RTECS: None

**SECTION 12: ECOLOGICAL INFORMATION**

Toxicity	No information available
Persistence and degradability	No information available
Biodegradation	No information available
Mobility in soil	No information available
Results of PBT and vPvB assessment	No information available
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Additional information

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**SECTION 14: TRANSPORT INFORMATION**

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Packing group	None
Environmental hazards	None
Special precaution for user	None

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