

— Safety Data Sheet —

R-Phycoerythrin(R-PE)**Identification of the preparation / Substance and of the company**

Preparation Name : R-Phycoerythrin (R-PE)

Catalog Number :

Use of the preparation : For laboratory use.

Company identification : BIO-HELIX Co., LTD.

Site : <http://www.bio-helix.com>E-mail : info@bio-helix.com**Composition / Information on ingredients**

Ingredients

Chemical name	Conc.	CAS#	EC#
R-PHYCOERYTHRIN (R-PE)	20mg/ml	-	-

Hazards identification

Form : Liquid	
Principle Routes of Exposure/Potential Health effects	
Eyes	Not Hazardous
Skin	Not Hazardous
Inhalation	Not Hazardous
Ingestion	Not Hazardous
Specific effects	
Carcinogenic	No information available
Effects	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.
Reproductive	No information available
toxicity	
Sensitization	No information available
Target Organ	No information available
Effects	
HMIS	
Health	0
Reactivity	0
Flammability	0

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First Aid Measures

Ingestion : Never give anything by mouth to an unconscious person. Rinse mouth with water.
Consult a physician.

Inhalation : Move to fresh air. If symptoms persist, call a physician.

Skin contact : Wash off with soap and plenty of water.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If eye irritation persists, consult a specialist.

Notes to physician : Treat symptomatically.

Fire-fighting measures

Suitable extinguishing agents : Water spray, carbon dioxide (CO₂), foam, and dry chemical.

Protective equipment : Wear self-contained breathing apparatus and protective suit.

Accidental release measures

Personal precautions : Use personal protective equipment.

Methods for cleaning up : Soak up with absorbent material.

Handling and storage

Handling : Wash thoroughly after handling. Wash hands before eating. Keep container tightly closed.
Use with adequate ventilation.

Storage : Keep container closed when not in use. Store at 4°C, away from light. Do not freeze.

Exposure controls / personal protection

Components with workplace control parameters.

Additional information :

General protective and hygienic measures : No special environmental precautions required.

Engineering measures : Ensure adequate ventilation, especially in confined areas.

Personal protection : In case of insufficient ventilation wear suitable respiratory equipment

- Respiratory protection : Respiratory protection: Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) 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

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this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.1

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

- Skin protection : Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls : In case of insufficient ventilation wear suitable respiratory equipment

Physical and chemical properties

General Information

Appearance : Liquid.

Color : Red.

Odor : No data available.

Boiling point : Mixture has not been tested.

Melting point : Mixture has not been tested.

Flash Point : Mixture has not been tested.

Autoignition temperature : Mixture has not been tested.

Oxidizing properties : Not applicable.

Solubility in / miscibility with water : Moderate.

Stability and reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: Exposure to light and contact with incompatible materials.

Incompatible materials: Strong oxidising agents. Strong bases.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Toxicological information

Acute toxicity : No data available.

Primary irritant effect : No irritant effect.

On the skin : Prolonged skin contact may cause temporary irritation.

On the eye : Direct contact with eyes may cause temporary irritation.

Symptoms: Exposure may cause temporary irritation, redness, or discomfort.

Sensitization : No sensitizing effects known.

Ecological information

Mobility : No information available.

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Biodegradation : No information available.

Bioaccumulation : No information available.

Disposal considerations

Recommendation : Dispose according to current regional and national rules.

Transport information

Proper shipping name : Not classified as dangerous in the meaning of transport regulations.

Road / Railway Haulage ADR / RID : Not restricted.

Sea Freight IMO (IMDG) : Not restricted.

Air Freight IATA (ICAO) : Not restricted.

UN Number : Not restricted.

Regulatory information

U.S. federal regulations TSCA: Not determined.

TSA 8(d) hands data reporting: Ammonium sulphate.

U.S. federal regulations SARA 302/304 emergency planning and notification: No products were found.

U.S. federal regulations SARA 302/304/311/312 extremely hazardous substance: No products were found.

U.S. federal regulations SARA 302/304/311/312 hazardous chemicals: Ammonium sulphate.

CANADA WHMIS: No products were controlled under WHMIS.

EU regulations DSCL (EEC): This product is not classified according to the EU regulations.

Other information

This material is sold for research and development purposes only. It is not for any human or animal therapeutic or clinical diagnostic use. It is not intended for food, drug, household, agricultural, or cosmetic use.

An individual technically qualified to handle potentially hazardous chemicals must supervise the use of this material.

The above information was acquired by diligent search and / or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may be present unknown hazards and should be used with caution. Since Bio-Helix Co., Ltd. cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. The information in this SDS does not constitute a warranty, express or implied, including any implied warranty of merchantability or fitness for any particular purpose.