

# Phycocyanobilin: sc-396921



## MATERIAL SAFETY DATA SHEET

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Phycocyanobilin  
**Product Number:** sc-396921  
**Supplier:** Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, CA 95060  
800.457.3801 or 831.457.3800  
**Emergency:** ChemWatch  
Within the US & Canada: 877-715-9305  
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

### 2. COMPOSITION, INFORMATION ON INGREDIENTS

**Chemical Name:** Phycocyanobilin  
**CAS #:** 20298-86-6  
**Formula:** C<sub>33</sub>H<sub>38</sub>N<sub>4</sub>O<sub>6</sub>  
**Molecular Weight:** 586.68

### 3. HAZARDS IDENTIFICATION

#### Emergency Overview

#### Potential health effects

Irritating to the eyes and skin on contact. Inhalation may cause irritation of the lungs and respiratory system. Irritation of the eye is characterized by redness, watering, and itching. Skin irritation is characterized by itching, swelling, reddening, or blistering.

#### Precautionary statements

The toxicological properties of this material have not been investigated.

#### WHMIS Classification

Material causing other toxic effects  
D-2B Toxic

### 4. FIRST AID MEASURES

#### Eyes

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. DO NOT use an eye ointment. Get medical aid immediately.

#### Skin

Get medical aid. Flush skin with soap and water - at least 15 minutes and remove contaminated clothing and shoes.

#### Ingestion

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.

#### Inhalation

Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

## 5. FIREFIGHTING MEASURES

### Suitable extinguishing media

For a small fire, use DRY chemicals, CO<sub>2</sub>, water spray, or foam. For larger fires, use water spray, fog, or foam. DO NOT use water jet.

### Hazardous combustion products

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

### Special protective equipment for firefighters

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Methods and materials for containment and clean up

In case of spill or leak, always shut off any sources of ignition, ventilate the area if dust is present in the air, and exercise caution. Use a brush and pan to put the material into a convenient waste disposal container. Finish cleaning the spill by rinsing any contaminated surfaces with copious amounts of water and detergent. Use proper personal protective equipment as indicated in Section 8.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

### Conditions for safe storage

Store in a cool, dry place. Keep away from sources of heat and ignition. Avoid excessive heat and light. Keep container closed when not in use. Store at -20 °C.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### Engineering measures

Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels

### Personal protective equipment

#### Respiratory protection

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES (got some of this info from section 5)

Form	solid	Melting point	no data available
Boiling point	no data available	Density	no data available
Odor	no data available	Flammable limits	no data available
Flammability	no data available	Auto-ignition temperature	no data available
Flash point	no data available		
Solubility	Basic aqueous solution, DMF, or DMSO		

## 10. STABILITY AND REACTIVITY

### Chemical stability

This material is stable if stored under proper conditions.

### Materials to avoid

Strong oxidizing agents.

### Conditions to avoid

Excessive heat and light, incompatible materials, oxidants, acids.

## 11. TOXICOLOGICAL INFORMATION

### Toxicology

no data available

### Routes of exposure

Ingestion, inhalation

### Carcinogenic effects

no data available

### Mutagenic effects

no data available

### Signs and symptoms of exposure

The toxicological properties of this material have not been fully investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation.

### Additional information

RTECS: no data available

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

no data available

### Environmental fate

no data available

## 13. DISPOSAL CONSIDERATIONS

You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Dispose of in a manner consistent with federal, state, and local regulations

## 14. TRANSPORT INFORMATION

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

## 15. REGULATORY INFORMATION

This material IS NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40 CFR 720.36 (C) for those products not on the inventory list:

- 1) This product is supplied solely for use in research and development by or under the supervision of technically qualified individuals as defined in 40 CFR 720.0.
- 2) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on an MSDS sheet.

### WHMIS Classification

Material causing other toxic effects

D-2B

Toxic

## 16. OTHER INFORMATION

*The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.*

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