

# MATERIAL SAFETY DATA SHEET

## Indigo Carmine

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Date of Issue: March 2004

### STATEMENT OF HAZARDOUS NATURE

Not Hazardous according to criteria of Worksafe Australia

### COMPANY DETAILS

**Company:** ProSciTech  
**Address:** PO Box 111, Thuringowa Central Qld. 4817 Australia  
**Street Address:** 1/11 Carlton Street, Kirwan, Qld. 4817 Australia  
**Telephone Number:** (07) 4773 9444  
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### IDENTIFICATION SECTION

<b>Product Name</b>	Indigo Carmine
<b>Other Names</b>	Acid Blue 74
<b>Product Code</b>	C111, C1111, C1115
<b>U.N. Number</b>	None allocated
<b>Dangerous Goods Class and Subsidiary Risk</b>	None allocated
<b>Hazchem Code</b>	None allocated
<b>Poison Schedule</b>	None allocated
<b>Use</b>	A biological stain

### Physical Description and Properties

<b>Appearance</b>	Dark Blue to Purple Powder
<b>Boiling Point/Melting Point</b>	No data
<b>Vapour Pressure</b>	Negligible
<b>Specific Gravity</b>	No data
<b>Flash Point</b>	No data
<b>Flammability Limits</b>	No data
<b>Solubility in water</b>	1g/100mL @ 25°C

### Other Properties

#### Ingredients

Chemical Name	CAS Number	Proportion
Acid Blue 74 $C_{16}H_8N_2Na_2O_8S_2$	860-22-0	100%

## HEALTH HAZARD INFORMATION

### Health Effects:

#### *Acute*

#### **Swallowed:**

#### **Eye:**

May cause gastrointestinal irritation with nausea, vomiting and diarrhoea.

This product contains a cationic dye. Similar dyes have caused permanent injury to the cornea and conjunctiva in document exposure cases with human or rabbit eyes.

#### **Skin:**

May cause skin irritation

#### **Inhaled:**

May cause respiratory tract irritation.

#### *Chronic:*

No information found.

### **First Aid:**

#### **Swallowed:**

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

#### **Eye:**

Immediately flush eyes with copious amounts of water for at least 15 minutes. Get medical aid. SPEEDY ACTION IS CRITICAL!.

#### **Skin:**

Flush skin with plenty of soap and water. Get medical aid if irritation develops or persists.

#### **Inhaled:**

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

#### **First Aid Facilities:**

Eyewash facility and safety shower

### **Advice to Doctor**

Treat symptomatically and supportively.

## PRECAUTIONS FOR USE

#### **Exposure Standards:**

None established.

#### **Engineering Controls:**

Use adequate ventilation to keep airborne concentrations low.

#### **Personal Protection:**

Wear appropriate protective eyeglasses or chemical safety goggles.

Wear appropriate protective clothing to prevent skin exposure.

An approved respirator should be worn whenever workplace conditions warrant a respirator's use.

#### **Flammability:**

Not flammable under conditions of use

## SAFE HANDLING INFORMATION

#### **Storage and Transport:**

Keep container tightly closed. Store protected from light. Store in a cool, dry area away from incompatible substances.

#### **Spills and Disposal:**

Sweep up, then place in a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

#### **Fire/Explosion Hazard:**

As in any fire, wear a self-contained breathing apparatus in pressure demand and full protective gear. During a fire, irritating and highly toxic gasses may be generated by thermal decomposition or combustion.

Extinguishing media: in case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

## OTHER INFORMATION

#### **Incompatibilities**

Oxidising agents, nitric acid

#### **(Materials to avoid)**

#### **Animal Toxicity Data:**

LD50 Oral, mouse = 2500mg/kg

LD50 Oral, rat = 2g/kg

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