

# MATERIAL SAFETY DATA SHEET



Conforms to 93/112/EC and ISO 11014-1

## 1. Chemical Product and Company Identification

**Product Name:** Coomassie Blue R-250

**Product Number:** HS-604

### Chemical Names/

#### Description:

Brilliant Blue R 250, Color Index: 27816

### Manufacturer

National Diagnostics  
305 Patton Drive  
Atlanta, GA 30336

### Telephone Numbers

(800) 526-3867  
(404) 699-2121

### Emergency Numbers

#### Chemtrec

**(800) 424-9300 (U.S. & Canada)**  
**01-703-527-3887 (outside U.S. & Canada)**

## 2. Composition/Information on Ingredients

Component	% Comp.	CAS #	EINECS #	TLV (Units)
Coomassie Blue R-250		6104-59-2		none established

## EEC LABEL SYMBOL AND CLASSIFICATION



**R: 36/37/38**

**Irritating to eyes, respiratory system, and skin.**

**S: 22-24/25**

**Avoid contact with skin and eyes.**

## 3. Hazards Identification

### Appearance and Odor

Brown Powder

#### EMERGENCY OVERVIEW - IMMEDIATE HAZARD

CAUTION! MAY BE HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE IRRITATION TO SKIN AND EYES. THE TOXICOLOGICAL PROPERTIES OF THIS SUBSTANCE HAVE NOT BEEN FULLY INVESTIGATED.

## **EMERGENCY OVERVIEW - CHRONIC HAZARD WARNING:**

INFORMATION ON THE HUMAN HEALTH EFFECTS FROM EXPOSURE TO THIS SUBSTANCE IS LIMITED.

### **Potential Health Effects**

#### **Inhalation**

Causes irritation to the respiratory tract.

#### **Ingestion**

No information found, but compound should be handled as a potential health hazard. May cause irritation to the digestive tract.

#### **Skin**

May cause irritation, redness and pain.

#### **Eyes**

May cause irritation, redness and pain.

### **Signs and Symptoms of Overexposure**

#### **Inhalation**

Coughing, shortness of breath.

#### **Ingestion**

Nausea, vomiting, and diarrhea.

#### **Skin**

May cause irritation, redness and pain.

#### **Eyes**

May cause irritation, redness and pain.

### **Carcinogenicity**

No information found.

### **Mutagenicity**

No information found.

### **Reproductive Toxicity**

No information found.

### **Teratogenic Effects**

No information found.

### **Routes of Entry**

No information found.

### **Target Organ Statement**

No information found.

## **4. First Aid Measures**

### **Inhalation**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

### **Ingestion**

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Call a physician.

### **Skin**

Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

### **Eyes**

Immediately flush eyes with plenty of water for at least fifteen minutes, lifting lower and upper eyelids

occasionally. Get medical attention immediately.

## 5. Fire Fighting Measures

Flash Point	No data	Flammable Limits	No data
Flash Point Method	N/A	Autoignition temperature	No data

### Extinguishing media

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

### Protective Equipment

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

### Hazardous Combustion Products

Carbon monoxide, carbon dioxide, sulfur oxides, and nitrogen oxides.

### Unusual Fire and Explosion Hazards

Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

NFPA Codes: Health 1 Flammability 0 Reactivity 0

## 6. Accidental Release Measures

### Steps to be taken in case material is released or spilled

Ventilate area. Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

### Waste Disposal Method

Disposal must be made in accordance with applicable federal, state, and local regulations.

### Personal Precautions

Wear appropriate protective equipment as specified in section 8.

## 7. Handling and Storage

### Handling

Avoid contact and inhalation. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

### Storage

Keep in a tightly closed container, stored in a cooled, dry, ventilated area.

### Storage Temperature

room temperature

### Disposal

Observe all national, state, and local regulations regarding disposal.

## 8. Exposure Controls/Personal Protection

### Airborne Exposure Limits

Component: Coomassie Blue R-250

ACGIH Threshold Limit Value (TLV): none established

OSHA Permissible Exposure Limit

(PEL):

## Engineering Controls

A system of local and/or general exhaust is recommended to keep employee exposures low. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source.

## Respiratory Protection

For conditions of use where exposure to the dust or mist is apparent, a full-face dust/mist respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator.

## Eye Protection

Safety glasses.

## Skin Protection

Wear protective gloves and clean body covering clothing.

## Other Control Measures

There is insufficient data in the published literature to assign complete numerical safety ratings and laboratory protective equipment for this product. Special precautions must be used in storage, use and handling.

## 9. Physical Properties

<b>Boiling point</b>	Not applicable	<b>Evaporation Rate</b>	No data
<b>Melting point</b>	No data	<b>Solubility in water</b>	slightly soluble
<b>Vapor pressure (mmHg)</b>	No data	<b>pH</b>	No data
<b>Vapor density (Air = 1)</b>	No data	<b>Specific gravity (H<sub>2</sub>O = 1)</b>	No data
<b>% volatile by volume</b>	0		

## 10. Stability and Reactivity

### Stability

Stable under ordinary conditions of use and storage.

### Conditions to Avoid

Incompatibles.

### Hazardous Decomposition Products

Burning may produce carbon monoxide, carbon dioxide, sulfur oxides, and nitrogen oxides.

### Hazardous Polymerization

Will not occur

### Incompatibles

Coomassie Blue R-250:

Strong oxidizers.

## 11. Toxicological Information

## Product LD50 Values

Coomassie Blue R-250 Oral Rat LD50 (mg/kg): No data  
Coomassie Blue R-250 Dermal Rabbit LD50 (mg/kg): No data

## Component Cancer List Status

	NTP Carcinogen		IARC Category
	Known	Anticipated	
Coomassie Blue R-250	No	No	None

## 12. Ecological Information

### Coomassie Blue R-250

No information found.

## 13. Disposal Considerations

Observe all national, state, and local regulations regarding disposal.

## 14. Transport Information

### D.O.T.

Proper Shipping Name: Not regulated.

Hazard Class: N.A.

UN Number: N.A.

Packing Group: N.A.

### I.A.T.A.

Proper Shipping Name: Not regulated.

Hazard Class: N.A.

UN Number: N.A.

Packing Group: N.A.

### I.M.O.

Proper Shipping Name: Not regulated.

Hazard Class: N.A.

UN Number: N.A.

Packing Group: N.A.

## 15. Regulatory Information

### United States

#### TSCA Regulatory Statement

All intentional ingredients are listed on the TSCA Inventory.

#### SARA 311/312 Hazard Categories

Component	Fire	Pressure	Reactivity	Acute	Chronic
Coomassie Blue R-250	No	No	No	Yes	No

### Europe

#### EEC Regulatory

All intentional ingredients are listed on the European EINECS Inventory.

#### EEC LABEL SYMBOL AND CLASSIFICATION



**R: 36/37/38**

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**S: 22-24/25**

**Avoid contact with skin and eyes.**

#### 16. Other Information

**NFPA Codes: Health 1 Flammability 0 Reactivity 0**

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