

MATERIAL SAFETY DATA SHEET



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

1. Chemical Product and Company Identification

Product Name: Coomassie Blue G-250

Product Number: HS-605

Chemical Names/

Description:

Brilliant Blue G250; Acid blue 90; Color Index 42655

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 G-250	>99	6104-58-1	228-058-4	none established

3. Hazards Identification

Appearance and Odor

Deep blue fine crystals with a faint reddish hue.

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 G-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

Boiling point	Not applicable	Evaporation Rate	No data
Melting point	No data	Solubility in water	slightly soluble
Vapor pressure (mmHg)	No data	pH	No data
Vapor density (Air = 1)	No data	Specific gravity (H₂O = 1)	No data
% volatile by volume	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 G-250:

Strong oxidizers.

11. Toxicological Information

Product LD50 Values

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

Component Cancer List Status

NTP Carcinogen

	Known	Anticipated	IARC Category
Coomassie Blue G-250	No	No	None

12. Ecological Information

Coomassie Blue G-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 G-250	No	No	No	Yes	No

Europe

EEC Regulatory

All intentional ingredients are listed on the European EINECS Inventory.

16. Other Information

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

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