

## **MATERIAL SAFETY DATA SHEET**

### **COOMASSIE BRILLIANT BLUE R-250 (Brilliant Blue R-250) MSDS CAS :- 6104-59-2**

#### **Section 1: Chemical Product and Company Identification**

##### **Section 1: Chemical Product**

**Product Name:** COOMASSIE BRILLIANT BLUE R-250

**CAS#:** 6104-59-2

**C.I. No.:** 42660

**Synonym:** Not available.

**Chemical Name:** Not available.

**Chemical Formula:** C<sub>45</sub>H<sub>44</sub>N<sub>3</sub>NaO<sub>7</sub>S<sub>2</sub>

**Molecular Weight:** 825.99

**Brand:** OXFORD

##### **Details Of The Supplier Of The Safety Data Sheet:**

**Company identification:** OXFORD LAB FINE CHEM LLP  
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,  
Navghar, Vasai (East). Palghar - 401 210.  
Mumbai, Maharashtra, INDIA.  
Tel: 91-250-2390989  
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#### **Section 2: Composition and Information on Ingredients**

##### **Composition:**

Name	CAS #	% by Weight
COOMASIE BRILLIANT BLUE R 250	6104-59-2	

## Section 3: Hazards Identification

### Classification of the substance or mixture:

Classification EC 67/548 or EC 1999/45: Not classified.

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP): Not classified.

### Label elements:

Labelling EC 67/548 or EC 1999/45: Not classified.

S Phrase(s): S22 : Do not breathe dust.  
S24/25 : Avoid contact with skin and eyes.

Labelling Regulation EC 1272/2008 (CLP): Not classified.

Other hazards: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

## Section 4: First Aid Measures

### Description of first aid measures:

Inhalation: Assure fresh air breathing. Allow the victim to rest.

Skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

Eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

Ingestion: Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

### Most important symptoms and effects, both acute and delayed:

Symptoms relating to use: Not expected to present a significant hazard under anticipated conditions of normal use.

## Section 4: First Aid Measures (Continued)

**Indication of any immediate medical attention and special treatment needed:**

**General information:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

## Section 5: Fire and Explosion Data

**Extinguishing media:**

**Suitable extinguishing media:** Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media:** Do not use a heavy water stream.

**Surrounding fires:** Use water spray or fog for cooling exposed containers.

**Special hazards arising from the substance or mixture:**

**Hazardous combustion products:** Under fire conditions, hazardous fumes will be present.

**Advice for fire-fighters:**

**Protection against fire:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Special procedures:** Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment

## Section 6: Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:**

**For emergency responders:** Equip cleanup crew with proper protection. Ventilate area.

## Section 6: Accidental Release Measures (Continued)

**For non-emergency personnel:** Evacuate unnecessary personnel.

**Environmental precautions:** Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

**Methods and material for containment and cleaning up:**

**Clean up methods:** On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

**Reference to other sections:** See section 8. Exposure controls/personal protection

## Section 7: Handling and Storage

**Precautions for safe handling:**

**Handling:** Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

**Technical protective measures:** Provide good ventilation in process area to prevent formation of vapour.

**Conditions for safe storage, including any incompatibilities:**

**Storage:** Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

**Storage :** Away from: Strong bases. Strong acids. Sources of ignition. Direct sunlight.

**Specific end use(s):** None.

## Section 8: Exposure Controls/Personal Protection

Exposure controls:

Personal protection: Avoid all unnecessary exposure.

Respiratory protection: Wear approved mask.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses.

Others: When using, do not eat, drink or smoke.

Control parameters:

Occupational Exposure Limits: No data available.

## Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties:

Physical state at 20°C	: Solid.
Colour	: Brownish purple.
Odour	: Not available.
Odour threshold	: Not available.
pH value	: Not available.
Melting point [°C]	: Not available.
Decomposition point [°C]	: Not available.
Critical temperature [°C]	: Not available.
Auto-ignition temperature [°C]	: Not available.
Flammability (solid, gas)	: Not available.
Flash point [°C]	: Not available.
Boiling point [°C]	: Not available.
Initial boiling point [°C]	: Not available.

## Section 9: Physical and Chemical Properties (Continued)

Final boiling point [°C]	: Not available.
Evaporation rate	: Not available.
Vapour pressure [20°C]	: Not available.
Vapour pressure mm/Hg	: Not available.
Vapour density	: 28,5
Density [g/cm <sup>3</sup> ]	: Not available.
Relative density, gas (air=1)	: Not available.
Relative density, liquid (water=1)	: Not available.
Solubility in water [% weight]	: Soluble in water

## Section 10: Stability and Reactivity Data

**Reactivity:** Not established.

**Chemical stability:** Stable under recommended storage conditions.

**Possibility of hazardous reactions:**

**Hazardous reactions:** Not established.

**Conditions to avoid:** Direct sunlight. Extremely high or low temperatures.

**Incompatible materials:**

**Materials to avoid:** Strong acids. Strong bases.

**Hazardous decomposition products:** Fumes. Carbon monoxide. Carbon dioxide.

## Section 11: Toxicological Information

### Information on toxicological effects:

#### Acute toxicity:

**Inhalation:** Based on available data, the classification criteria are not met.

**Dermal:** Based on available data, the classification criteria are not met.

**Ingestion:** Based on available data, the classification criteria are not met.

**Corrosion:** Based on available data, the classification criteria are not met.

**Irritation:** Based on available data, the classification criteria are not met.

**Sensitization:** Based on available data, the classification criteria are not met.

**Mutagenicity:** Based on available data, the classification criteria are not met.

**Carcinogenicity:** Based on available data, the classification criteria are not met.

**Toxic for reproduction:** Based on available data, the classification criteria are not met.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

**STOT-repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

## Section 12: Ecological Information

**Toxicity:** Not established.

**Persistence - degradability:** Biodegradable.

## Section 12: Ecological Information (Continued)

**Bioaccumulative potential:** Not established.

**Mobility in soil:** Not established.

**Results of PBT and vPvB assessment:** The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

**Other adverse effects:**

**Environmental precautions:** Avoid release to the environment.

## Section 13: Disposal Considerations

**Waste treatment methods:**

**General:** Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

## Section 14: Transport Information

**Land transport (ADR-RID):**

**General information :** Not regulated.

**Sea transport (IMDG) [English only]:**

**General information :** Not regulated.

**Air transport (ICAO-IATA) [English only]:**

**General information :** Not regulated.



## **Section 15: Other Regulatory Information**

### **Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**Safety, health and environmental:** Ensure all national/local regulations are observed.  
regulations/legislation specific for the substance or mixture.

**REACH Restrictions - Annex XVII:** The components of this product are not subject to restrictions.

**REACH Authorisation - Annex XIV:** The components of this product are not subject to authorization.

**Chemical Safety Assessment:** It has not been carried out.

## **Section 16 - Additional Information**

Not available.

### ***Disclaimer:***

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The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

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