



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: COOMASSIVE BRILLIANT BLUE R 250

CAS Number: 6104-59-2

1. IDENTIFICATION:

Product Code : 94197

Company Name : ADVENT CHEMBIO PRIVATE LIMITED

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2. HAZARDS IDENTIFICATION:

Hazard classification : Not a hazardous substance or mixture

Labels elements : Not a hazardous substance or mixture

Hazard symbol : No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

Signal word : Not a hazardous substance or mixture

Hazard statement : Not a hazardous substance or mixture

Precautionary statement

Prevention : Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.

Response : IF exposed or concerned: Get medical advice/ attention.
IF ON SKIN (or hair): Rinse skin with water/ shower.
IF IN EYES: Rinse with water.

Storage : Store in a dry & well-ventilated place. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Disposal : Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. COMPOSITION/ INFORMATION ON INGREDIENTS:

Ingredient	CAS Number	Hazardous
Coomassive Brilliant Blue R 250	6104-59-2	No



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4. FIRST AID MEASURES:

General information	:	Get medical advice/attention if you feel unwell.
Ingestion	:	Rinse mouth. After swallowing: make victim drink water (two glasses at most).
Inhalation	:	Move to fresh air.
Skin contact	:	Flush with plenty of water for at least 15 minutes.
Eye contact	:	Flush with plenty of water for at least 15 minutes.
Most important symptoms/effects, acute and delayed	:	The most important known symptoms and effects are described in the labelling.
Indication of immediate medical attention and special treatment needed	:	No data available.

5. FIRE FIGHTING MEASURES:**General information****Suitable (and unsuitable) extinguishing media**

Suitable extinguishing media	:	Water, Foam, Carbon dioxide (CO ₂), Dry powder
Unsuitable extinguishing media	:	For this substance/mixture no limitations of extinguishing agents are given.
Specific hazards arising from the chemical	:	Carbon oxides, Nitrogen oxides (NO _x), Sulfur oxides, Sodium oxides, Combustible. Fire may cause evolution of: Sulfur oxides, nitrogen oxides. Development of hazardous combustion gases or vapours possible in the event of fire.

Special protective equipment and precautions for firefighters

Special firefighting procedures	:	Fight fire from a protected location. Move containers from fire area if you can do so without risk.
Special protective equipment for fire-fighters	:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions, protective equipment and emergency procedures	:	Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.
Methods and material for containment and cleaning up	:	Eliminate all ignition sources if safe to do so. Use only non-sparking tools. Take precautionary measures against static discharges. Stop leak if possible without any risk.
Notification Procedures	:	Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.
Environmental precautions	:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.



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7. HANDLING AND STORAGE:

Precautions for safe handling	: Do not handle until all safety precautions have been read and understood. Use only non-sparking tools. Wear protective gloves/protective clothing/eye protection/ face protection. Avoid contact with eyes, skin, and clothing. Do not breathe mist or vapor. Use only with adequate ventilation. Wash hands thoroughly after handling.
Conditions for safe storage, including any incompatibilities	: Keep away from food, drink and animal feeding stuffs. Keep container tightly closed in a dry, well-ventilated place. Ground container and transfer equipment to eliminate static electric sparks.

8. EXPOSURE CONTROLS PERSONAL PROTECTION:**Appropriate engineering controls**

: No data available

Individual protection measures, such as personal protective equipment

General information	: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. An eye wash and safety shower must be available in the immediate work area. Use explosion-proof ventilation equipment.
Eye/face protection	: Wear safety glasses with side shields (or goggles).
Hand protection	: Chemical resistant gloves.
Other	: Wear suitable protective clothing.
Respiratory protection	: In case of inadequate ventilation use suitable respirator. Chemical respirator with organic vapor cartridge.
Hygiene measures	: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower. Avoid contact with eyes, skin, and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	: Blue to brown powder.
Odor	: No data available
Solubility	: Soluble in water.
Formula	: $C_{45}H_{44}N_3NaO_7S_2$
Molecular Weight	: 825.99 g/mol
Density	: No data available
pH	: No data available
% Volatiles by volume @ 21C (70F)	: No data available
Boiling Point	: No data available
Melting Point	: No data available
Flash Point	: No data available



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Vapor Density (Air=1) : No data available

Vapor Pressure (mm Hg) : No data available

Evaporation Rate (BuAc=1) : No data available

10. STABILITY AND REACTIVITY:

Reactivity : The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

Chemical stability : Material is stable under ambient conditions..

Possibility of hazardous reactions : Violent reactions possible with: Strong oxidizing agents

Conditions to avoid : No data available

Incompatible materials : No data available

Hazardous decomposition products : In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION:

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product : No data available

Dermal Product : No data available

Inhalation Product : No data available

Repeated dose toxicity Product : No data available.

Skin corrosion/irritation Product : No data available

Serious eye damage/eye irritation Product : No data available

Respiratory or skin sensitization Product : No data available.

Carcinogenicity Product : No data available

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans : No data available

US. National Toxicology Program (NTP) Report on Carcinogens : No data available

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050 : No data available

Germ cell mutagenicity : No data available



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Reproductive toxicity : No data available
Product
Specific target organ
toxicity - single exposure : No data available
Product
Specific target organ
toxicity - repeated : No data available
exposure Product
Aspiration hazard Product : No data available
Other effects : No data available

12. ECOLOGICAL INFORMATION:**Ecotoxicity****Acute hazards to the aquatic environment**

Fish Product : No data available
Toxicity to daphnia and
other aquatic invertebrates : No data available
Toxicity to bacteria : No data available

Chronic hazards to the aquatic environment

Fish Product : No data available.
Aquatic invertebrates : No data available.
Product
Toxicity to Aquatic Plants : No data available.
Product:
Persistence and degradability
Biodegradation Product : No data available
BOD/COD ratio Product : No data available.

Bioaccumulative potential

Bioconcentration factor
(BCF) Product : No data available.
Partition coefficient n-
octanol / water (log Kow) : No data available.
Product
Mobility in soil : No data available
Other adverse effects : No data available



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13. DISPOSAL CONSIDERATION:

Disposal instructions : Discharge, treatment, or disposal may be subject to national, state, or local laws. Disposal recommendations are based on uncontaminated material.

Contaminated packaging : Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION:

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
ADR/RID	NA	Coomassive Brilliant Blue R 250		Not dangerous goods	
IMDG	NA	Coomassive Brilliant Blue R 250		Not dangerous goods	
IATA	NA	Coomassive Brilliant Blue R 250		Not dangerous goods	

15. REGULATORY INFORMATION:

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

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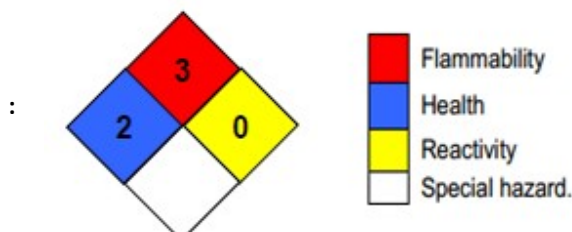
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16. OTHER INFORMATION:

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Issue Date : 22/08/2026

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