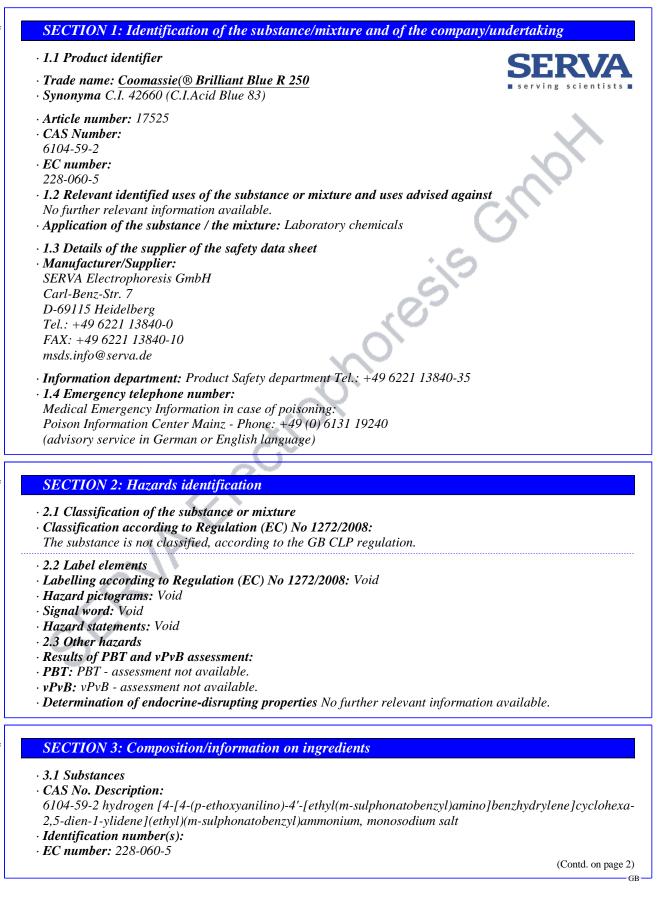
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· Description	· Description:				
· Empirical formula:					
6104-59-2	hydrogen [4-[4-(p-ethoxyanilino)-4'-[ethyl(m- sulphonatobenzyl)amino]benzhydrylene] cyclohexa-2,5-dien-1-ylidene](ethyl)(m- sulphonatobenzyl)ammonium, monosodium salt	$C_{45}H_{44}N_3O_7S_2Na$			
• <b>MW:</b> 826.0	)				

## **SECTION 4: First aid measures**

- 4.1 Description of first aid measures
- General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Immediately wash with water and soap and rinse thoroughly.

#### • After eye contact:

Rinse opened eye for several minutes under running water. Remove present contact lenses, if easy to do, and continue rinsing. Consult ophthalmologist In case of complaints.

- After swallowing: Wash out mouth. Call a doctor immediately.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** *No further relevant information available.*

#### **SECTION 5: Firefighting measures**

#### · 5.1 Extinguishing media

#### · Suitable extinguishing agents:

 $CO_2$ , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- $\cdot$  5.2 Special hazards arising from the substance or mixture:
- Formation of dangerous gases or vapours is possible in case of fire.
- *In case of fire, the following can be formed, but not limited to:*

Carbon monoxide and carbon dioxide

Nitrogen oxides (NOx)

Sulphur oxides (SOx)

# • 5.3 Advice for firefighters

• Protective equipment: Wear self-contained respiratory protective device.

#### **SECTION 6: Accidental release measures**

- · 6.1 Personal precautions, protective equipment and emergency procedures
- Wear protective clothing.
- Ensure adequate ventilation
- Avoid contact with the eyes and skin.
- · 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up Dispose contaminated material as waste according to item 13. Pick up mechanically.
- **6.4 Reference to other sections** See Section 7 for information on safe handling See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

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#### **SECTION 7: Handling and storage**

· 7.1 Precautions for safe handling:

Avoid contact with eyes and skin.

No special measures required.

· Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage
- Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed and store in dry conditions.
- 7.3 Specific end use(s): No further relevant information available.

#### **SECTION 8: Exposure controls/personal protection**

· 8.1 Control parameters

· Components with limit values that require monitoring at the workplace: Not required.

- Additional information: The lists that were valid during the creation were used as basis.
- · 8.2 Exposure controls
- Appropriate engineering controls: No further data; see item 7.
- · Individual protection measures, such as personal protective equipment:
- General protective and hygienic measures:
- Keep away from foodstuffs, beverages and feed.
- Store protective clothing separately.
- Immediately remove all soiled and contaminated clothing

Avoid contact with the eyes and skin.

Wash hands before breaks and at the end of work.

- **Breathing equipment:** Short term filter device: Filter P3.
- Hand protection:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- $\cdot$  For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:
- Neoprene gloves

Nitrile rubber, NBR

- Eye/face protection: Safety glasses
- **Body protection:** Protective work clothing.

#### SECTION 9: Physical and chemical properties

- · 9.1 Information on basic physical and chemical properties
- General Information:
- · Physical state:

Solid.

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Colour:	black to red-colored
Odour:	Recognisable
Odour threshold:	Not determined.
Melting point/freezing point:	>100 °C
Boiling point or initial boiling point and boiling	
range:	no information available
Flammability:	no information available
Lower and upper explosion limit:	
Lower:	no information available
Upper:	no information available
Flash point:	no information available
Decomposition temperature:	no information available
pH:	5-6
Viscosity:	
Kinematic viscosity:	no information available
Dynamic viscosity:	no information available
Solubility:	·
Water:	Soluble
Partition coefficient n-octanol/water (log value):	no information available
Vapour pressure:	no information available
Density and/or relative density:	•
Density:	no information available
Relative density:	no information available
Particle characteristics	See item 3.
9.2 Other information	
Appearance:	
Form:	Powder
Important information on protection of health and	l
environment, and on safety:	
Explosive properties:	Product is not explosive. However, formation of
· · ·	explosive dust-/air mixtures are possible.
Molecular weight	826 g/mol

## **SECTION 10: Stability and reactivity**

· 10.1 Reactivity: No further relevant informations available

· 10.2 Chemical stability:

- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions: No further relevant informations available.
- · 10.4 Conditions to avoid: high ttemperatures

· 10.5 Incompatible materials:

Avoid contact with:

Strong oxidizers

Strong acids

· 10.6 Hazardous decomposition products: In case of fire: See Section 5

#### **SECTION 11: Toxicological information**

· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

• Acute toxicity: Based on available data, the classification criteria are not met.

## · LD/LC50 values that are relevant for classification:

*Oral LD50* >2,000 mg/kg (rat)

LC50/96h 1,000 mg/l (trout)

• Skin corrosion/irritation: Based on available data, the classification criteria are not met.

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- Serious eye damage/irritation: Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: 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.
- 11.2 Information on other hazards:
- Endocrine disrupting properties:

Taking into account the current state of scientific knowledge, no data on endocrine disrupting properties of the product are available.

#### **SECTION 12: Ecological information**

#### · 12.1 Toxicity:

- · Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability: No further relevant information available.
- 12.3 Bioaccumulative potential: No further relevant information available.
- · 12.4 Mobility in soil: No further relevant information available.
- 12.5 Results of PBT and vPvB assessment:
- · **PBT:** PBT assessment not available.
- · **vPvB**: vPvB assessment not available.
- 12.6 Endocrine disrupting properties: For information on endocrine disrupting properties see section 11.
- · 12.7 Other adverse effects:
- Additional ecological information:
- · General notes:

Do not allow product to reach ground water, water course or sewage system.

Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water.

#### **SECTION 13: Disposal considerations**

- · 13.1 Waste treatment methods
- · Recommendation Disposal must be made according to official regulations.
- · Uncleaned packagings:
- · Recommendation:

\*

Disposal of uncleaned packagings must be made according to official regulations in the same manner as the product.

• Recommended cleansing agent: Water, if necessary with cleansing agents.

· 14.1 UN number or ID number		
· ADR, ADN, IMDG, IATA	Void	
· 14.2 UN proper shipping name		
· ADR, ADN, IMDG, IATA	Void	
· 14.3 Transport hazard class(es)		
· ADR, ADN, IMDG, IATA		
· Class:	Void	
· 14.4 Packing group		
· ADR, IMDG, IATA	Void	

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<ul> <li>14.5 Environmental hazards</li> <li>Marine pollutant:</li> </ul>	No
· 14.6 Special precautions for user	Not applicable.
• 14.7 Maritime transport in bulk according to IMO instruments Not applicable.	
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Void

#### **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- · Named dangerous substances ANNEX I Substance is not listed.
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment Annex II Substance is not listed.
- · REGULATION (EU) 2019/1148
- Annex I RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3)) Substance is not listed.
- · Annex II REPORTABLE EXPLOSIVES PRECURSORS Substance is not listed.
- Regulation (EC) No 273/2004 on drug precursors Substance is not listed.
- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors Substance is not listed.
- · National regulations:
- Water hazard class: Water hazard class 2 (Assessment by list): hazardous for water.
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

#### **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Product safety department

- Date of previous version: 22.03.2018
- Version number of previous version: 5
- Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

- ICAO: International Civil Aviation Organisation
- PBT: persistent, bioaccumulative, toxic substance (UK REACH)
- vPvB: very persistent, very bioaccumulative substance (UK REACH)
- UK REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
- GB CLP: Regulation on classification, labelling and packaging of substances and mixtures
- bw: body weight

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration. 50 percent
- LD50: Lethal dose, 50 percent

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<sup>·</sup> Directive 2012/18/EU

<sup>·</sup> Contact: +49 6221 13840-35

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PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

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