



## MATERIAL SAFETY DATA SHEET (MSDS)

### Information of the substance and of the company

#### 1. Commercial Product

Company  
Addresses

#### Brilliant Blue FCF

Vibfast Colorants  
Plot No. C – 1, 91-6, Phase -1,  
B/h Bank of India, GIDC Vatva,  
Ahmedabad - 382 445, India

Telephone No: -  
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Chemical Family(class)  
Chemical Name

Triarylmethane  
Disodium a-[4-(N-Ethyl-3-Sulfonato Benzyl  
Amino)Phenyl]-a-[4-(N-ethyl -3-Sulfonato  
Benzylamino) Cyclohexa-2, 5-Dienylidene]  
Toluene-2-Sulfonate

#### 2. Information On Ingredients: -

E. E. C. No E-133  
EINECS 223-339-8  
CAS No 3844-45-9  
C. I. No 42090  
Molecular Formula  $C_{37}H_{34}N_2Na_2O_9S_3$   
Molecular Weight 792.84  
According to documentation available is edible dye.

#### 3. Physical and chemical properties: -

Physical State Solid, Fine Powder/Granules  
Colour Reddish Blue  
Odor Odorless  
pH value 6-7  
Boiling Point Not applicable  
Melting Point No sharp melting point observed  
Flash Point Not applicable

#### 4. Substance does not having any oxidising property: -

Ignition Temperature Not applicable  
Explosion Limit Not applicable  
Vapour Pressure Not applicable  
Density 0.80  
Solubility in water 180 gms/litre



# VIBFAST PIGMENTS PVT. LTD.



C-1, 91/6, Phase I, B/h. Bank of India,  
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## 5. Stability & Reactivity: -

|                                 |   |
|---------------------------------|---|
| Hazardous Reactions             | No  |
| Hazardous Decomposition Product | Not Established   |
| Chemical In Compatibility       | Strong Reducing Agents, Decolourising Agents, Strong Acids & Alkalies                           |
| Condition To Avoid              | I) Heating To High Temperature<br>II) Storage under damp atmosphere                             |
| Reactivity Data                 | This material is stable under condition of normal handling and use, but sensitive to moist air. |

## 6. Handling & Storage: -

|                       |  |
|-----------------------|--|
| Handling              | Avoid formation of dust                                    |
| Storage               | Keep in closed container at ambient temperature & humidity |
| Do Not Store Together | Store Colourwise   |

## 7. Exposure Controls/Personal Protection: -

|                       |   |
|-----------------------|---|
| TLV                   | No  |
| Respirator Protection | May be used (In case dust formation particle filter e.g. DIN 3181-21 may be)            |
| Ventilation           | Local ventilation capable of minimizing dust emission at the point of use               |
| Eye Protection        | Protective glasses may be used  |
| Hand Protection       | Rubber gloves may be used wash the hands before and at the end of work with water, soap |

## 8. Hazards Identification: -

Warnings  
The usual precautions taken when handling of dyes should be observed.  
As the substance is edible dye, no hazardous to water supply.

## 9. First Aid Measures: -

|              |  |
|--------------|--|
| Eye Contact  | Wash eyes with plenty of water for at least 15 minute                                |
| Skin Contact | Wash off with plenty of water & soap   |
| Ingestion    | Plenty full water to be taken inside, special medical attention may not be necessary |

## 10. Accidental Release Measures: -

|                    |   |
|--------------------|---|
| After Spillage     | Sweep up spilled substance carefully, then clean with water |
| Absorbent Material | Use clean cotton cloth                                      |



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## 11. Disposal Consideration: -

Can be sent to an incineration plant in accordance with local regulations

## 12. Fire Fighting Measures: -

|                       |   |
|-----------------------|---|
| Extinguishing Media   | Use dry chemicals or carbon dioxide CO <sub>2</sub> |
| Thermal Decomposition | Dangerous decomposition is not anticipated          |

## 13. Toxicological Information (In Rats & Mice): -

|                         |                                   |
|-------------------------|-----------------------------------|
| LD 50 Oral              | 6000-10000 mg/kg body weight      |
| LD 50 Intraperitoneal   | 3800-5000 mg/kg body weight       |
| LD 50 skin              | No adverse or pathological effect |
| LD 50 inhalation        | Not Known                         |
| Eye Irritation          | Not irritating to Eye             |
| Dermal Irritation       | Not irritating to skin.           |
| Acceptable Daily Intake | Intake                            |
| JECFA                   | 0- 2.5 mg/kg body weight          |
| EEC                     | 0- 2.5 mg/kg body weight          |

## 14. Ecological Information: -

|              |                                      |
|--------------|--------------------------------------|
| Water Hazard | Being an edible dye, Not established |
|--------------|--------------------------------------|

## 15. Transport Information: -

Not Hazardous Cargo  
Keep separated from hazardous chemicals

## 16. Regulatory Information: -

Manufactured as per specification set by BIS (India), FAO/WHO (JECFA), Each country has its own laws on coloring of food-stuffs, colorant permitted and their purity standards

## Other Information: -

This product should be stored, handled and used in accordance with good industrial hygienic practices and in conformity with any legal regulation. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of health and safety requirements. It should not therefore be construed as guaranteeing specific properties

**For total dye content: requirement within tolerance limit of  $\pm 7.5\%$  the declared of value.**