



## MATERIAL SAFETY DATA SHEET (MSDS)

### Information of the substance and of the company

#### 1. Commercial Product

Company  
Addresses

Telephone No  
Fax No

Chemical Family(class)  
Chemical Name

#### Carmosine

Vibfast Colorants  
Plot No. C – 1, 91-6, Phase -1,  
B/h Bank of India, GIDC Vatva,  
Ahmedabad - 382 445, India  
+91 - 79 – 2583 0667  
+91 – 79 – 2589 3014

Mono Azo  
Disodium 4-Hydroxy-3-(4-Sulfonato-1-Naphthylazo)  
Naphthylene-1-Sulfonate

#### 2. Information On Ingredients: -

E. E. C. No E-122  
EINECS 222-657-4  
CAS No 3567-69-9  
C. I. No 14720  
Molecular Formula  $C_{20}H_{12}N_2Na_2O_7S_2$   
Molecular Weight 502.44  
According to documentation available is edible dye.

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

Physical State Solid, Fine Powder/Granules  
Colour Red To Maroon  
Odor Odorless  
pH value 6-8  
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 120 gms/litre

#### 5. Stability & Reactivity: -

Hazardous Reactions No  
Hazardous Decomposition Product Not Established



# VIBFAST PIGMENTS PVT. LTD.



C-1, 91/6, Phase I, B/h. Bank of India,  
G.I.D.C., Vatva, Ahmedabad - 382 445. (India)  
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Chemical In Compatibility

Strong Reducing Agents, Decolourising Agents, Strong Acids & Alkalies

Condition To Avoid

I) Heating To High Temperature  
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

## 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
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### 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.**