

## Material Safety Data Sheet ( MSDS )

### Product and Company Identification

Product Name : **CARMOISINE**  
Synonyms : Food Red # 3  
Chemical Name : Disodium 4-Hydroxy-3-(4-Sulfonato-1-Naphthylazo)  
Naphthylene-1-Sulfonate.  
Molecular Formula :  $C_{20}H_{12}N_2Na_2O_7S_2$   
Molecular Weight : 502.44  
Company Location : INDIA.

### Composition and Information on Ingredients

| C.I.No. | C.A.S. No. | E.E.C No. | EINECS No. |
|---------|------------|-----------|------------|
| 14720   | 3567-69-9  | E-122     | 222-657-4  |

As per documents available, is a edible dye

### Hazards Identification

Emergency Overview :  
As the substance is edible dye, not hazardous. Only special measures should be taken while handling

### First Aid Measures

Eyes : Immediately flush eyes with plenty of water for at least 15 minutes keep moving upper & lower eyelids occasionally.  
Skin : Flush Skin with plenty of water and soap for atleast 15 minutes.  
Ingestion : Rinse mouth & intake plenty of water or milk  
Inhalation : Exposure to fresh air

### Fire Fighting Measures

General Information : Wear self contained breathing apparatus with full protection  
Extinguishing Media : In case of fire, use water, dry chemical or carbon dioxide

### Accidental Release Measures

General Information : Use proper protective equipments  
Spills/Leaks : Clean up spills immediately sweep up then place into a suitable container for disposal & then clean with water.

### Handling and Storage

- |          |                                                                                                                |
|----------|----------------------------------------------------------------------------------------------------------------|
| Handling | : Wash after handling & before re use avoid breathing & ingestion                                              |
| Storage  | : Store in cool dry, place, keep container close intact when not in use.<br>tore colour differently identified |

### Exposure controls , personal protection

- |                       |                                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------------------------|
| Engineering Control   | : Use adequate exhaust ventilation to keep airborne concentrations below recommended exposure limits. |
| Personal Protection : |                                                                                                       |
| Eyes                  | : Wear safety glasses and chemical goggles                                                            |
| Skin                  | : Appropriate Gloves & clothes may be used to avoid contact with skin.                                |
| Respirators           | : Protector complying NIOSH/MSHA or European standard may be used.                                    |

### Physical and Chemical Properties

- |                                      |                             |
|--------------------------------------|-----------------------------|
| • Physical State                     | : Powder/Granules           |
| • Appearance                         | : Red to maroon Color       |
| • Odor                               | : Odorless                  |
| • PH                                 | : 6-8                       |
| • Melting Point                      | : Not available/ applicable |
| • Boling Point                       | : Not available/ applicable |
| • Flash Point                        | : Not available/ applicable |
| • Autoignition temp                  | : Not available/ applicable |
| • Explosion Limit                    | : Not available/ applicable |
| • Solubility in Water (at 27°C temp) | : 12%                       |

### Stability and Reactivity

- |                              |                                                                         |
|------------------------------|-------------------------------------------------------------------------|
| • Stability and Reactivity   | : Stable under normal temperatures& pressures                           |
| • Condition to Avoid         | : Incompatible matinees moisture                                        |
| • Incompatiblity with others | : Storning redusing agents, decoloursing agents, strong acid & alkalies |
| • HazardousDecomposition     | : Not Available                                                         |

### Toxicological Information (Oral in mouse & rats)

- |             |                                                                               |
|-------------|-------------------------------------------------------------------------------|
| LD 50       | : Oral, Rat = 10000 mg/kg body weight<br>Oral, Mouse = 8000 mg/kg body weight |
| LD50        | : No adverse or pathological effect                                           |
| ADI (JECFA) | : 0-4 mg/kg body weight                                                       |

### Ecological Information

- |              |                   |
|--------------|-------------------|
| Water Hazard | : Not established |
|--------------|-------------------|

### Disposal Consideration

Dispose of in a manner consistent with state and local regulations.

### Transport Information

- |                 |                                            |
|-----------------|--------------------------------------------|
| Hazardous Class | : Non-Hazardous Cargo                      |
| Shipping Name   | : Not Regulated                            |
| Special Remarks | : Keep Seperated from hazardous substances |

### **Regulatory Information**

Product Manufactured complying parameters laid down under authorities like BIS (India) FAO/WHO/JECFA/FDA(USA) Different authorities has its own criteria on purity standards permissible dosage limits & colours permitted

### **Other/Information**

Change since last revision.

### **NOTICE TO READER.**

The information provided herein are based upon technical data that we believe to be reliable & offer for information purpose only and as a guide. User should consider these data as a supplement to other information gathered by them. Independent determination of suitability & completeness of information should be checked. We makes no warranty of any kind, express or implied for its fitness for particular use with respect to the information proved herein.