

MATERIAL SAFETY DATA SHEET

CARMOSINE

**1 PRODUCT & COMPANY IDENTIFICATION**

**Product Name:** Carmosine  
**CAS No:** 3567-69-9  
**Synonym:** Azorubine; Acid Red 14, Mordant Blue 79  
**Chemical Name:** Disodium 4-Hydroxy-3-(4-Sulfonato-1-Naphthylazo) Naphtylene-1-Sulfonate  
**Formula :** C<sub>20</sub>H<sub>12</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>7</sub>S<sub>2</sub>  
**Product Form:** Solid  
**Product Use:** Industrial & for professional use only..

**Supplier:** ASES CHEMICAL WORKS.  
**Address:** Brahm Bagh, Jalori Gate  
Jodhpur - 342001 Rajasthan-India  
**Phone:** +91-9636889954  
**Web:** www.ases.in  
**Email :** ecom@ases.in

**2 HAZARDS IDENTIFICATION**

**Classification of the substance or mixture :** No known significant effects or critical hazards.

**Label elements :** Not a hazardous substance or mixture.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Product Name	CAS No	EC No	Molecular Weight
Carmosine	3567-69-9	222-657-4	502.44 g/mol

**4 FIRST AID MEASURES**

**Eyes:** Wash eyes with plenty of water for at least 15 minute.  
**Skin:** Wash off with plenty of water & soap  
**Ingestion:** Plenty full water to be taken inside, special medical attention may not be necessary

**5 FIRE-FIGHTING MEASURES**

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

**6 ACCIDENTAL RELEASE MEASURES**

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

**7 HANDLING & STORAGE**

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

**8 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

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Solid, Fine Powder/Granules	<b>Boiling Point</b>	Not applicable
<b>Colour</b>	Red To Maroon	<b>Melting Point</b>	No sharp melting point observed
<b>Odor</b>	Odorless	<b>Flash Point</b>	Not applicable
<b>pH value</b>	6-8	<b>Density</b>	0.80
<b>Solubility in water</b>	120 gms/litre		

## 10 STABILITY AND REACTIVITY

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

## 11 TOXICOLOGICAL INFORMATION

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
JECFA	0- 2.5 mg/kg body weight
EEC	0- 2.5 mg/kg body weight

## 12 ECOLOGICAL INFORMATION

**Water Hazard:** Being an edible dye, Not established

## 13 DISPOSAL CONSIDERATIONS

**Waste Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## 14 TRANSPORT INFORMATION

**Not Hazardous Cargo:** Keep separated from hazardous chemicals

## 15 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

## 16 OTHER INFORMATION

### Disclaimer & Caution

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and ASES CHEMICAL WORKS assume no liability resulting from its use.