

MATERIAL SAFETY DATA SHEET (MSDS)

Information of the substance and of the company

1. Commercial Product

Company
Addresses

Carmosine

Promethea TechSynth Pvt. Ltd.
5th Floor, A-506, Privilon, B/H
Iscon Temple, S.G. Highway,
Ahmedabad - 380054, India

Mobile No: -

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Chemical Family(class)

Mono Azo

Chemical Name

Disodium 4-Hydroxy-3-(4-Sulfonato-1-Naphthylazo)
Naphtylene-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

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.
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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 ₂
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.