



C-I, 91/6, Phase I, B/h. Bank of India, E-mail: amit@vibgyorchemtex.com

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MATERIAL SAFETY DATA SHEET (MSDS)

Information of the substance and of the company

Commercial Product
 Company
 Amaranth
 Vibfast Colorants

Addresses Plot No. C – 1, 91-6, Phase -1,

B/h Bank of India, GIDC Vatva, Ahmedabad - 382 445, India

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Chemical Family(class) Mono Azo

Chemical Name Trisodium 2-Hydroxy-1-(4-Sulfonato-1-

Naphthylazo) Naphthalene -3,6- Disulfonate.

2. Information On Ingredients: -

E. E. C. No E-123
EINECS 213-022-2
CAS No 915-67-3
C. I. No 16185

Molecular Formula C₂OH₁₁N₂Na₃O₁OS₃

Molecular Weight 604.48 According to documentation available is edible dye.

3. Physical and chemical properties: -

Physical State Solid, Fine Powder/Granules

Colour Reddish brown Odor Odorless

Odor Odorle 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

Explosion Limit

Vapour Pressure

Not applicable

Not applicable

Not applicable

Density 0.80

Solubility in water 140 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





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This material is stable under condition of normal Reactivity Data

handling and use, but sensitive to moist air.

6. Handling & Storage: -

Handling Avoid formation of dust

Keep in closed container at ambient temperature & humidity Storage

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

Protective glasses may be used Eye Protection

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

Plenty full water to be taken inside, special medical attention Ingestion

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 CO2

Thermal Decomposition Dangerous decomposition is not anticipated



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

LD 50 Oral

LD 50 Intraperitoneal

LD 50 skin

LD 50 inhalation Eye Irritation Dermal Irritation

Acceptable Daily

JECFA EEC 6000-10000 mg/kg body weight

3800-5000 mg/kg body weight No adverse or pathological effct

Not Known

Not irritating to Eye Not irritating to skin.

Intake

0-2.5 mg/kg body weight 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 ±7.5% the declared of value.