

PROMETHEA TECHSYNTH PRIVATE LIMITED

5TH FLOOR, A-506, PRIVILION, B/H ISCON TEMPLE, AMBLI-BOPAL ROAD, S.G. HIGHWAY, AHMEDABAD -380 054, GUJARAT

Email id: promethea.ts@gmail.com CIN U24299GJ2020PTC117548 (M) 9712001000 9998082540

MATERIAL SAFETY DATA SHEET (MSDS)

Information of the substance and of the company

1. Commercial Product Tartrazine

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

Ahmedabad - 380054, India

Mobile No: - +91 – 99-98082540, 97-12001000

Chemical Family(class) Mono Azo

Chemical Name Trisodium-2-hydroxy-1-(4-Sulfonato-1-Naphthylazo)

naphthalene-6, 8-Disulfonate

2. Information On Ingredients: -

E. E. C. No E-102
EINECS 217-699-5
CAS No 1934-21-0
C. I. No 15985

Molecular Formula $C_{16}H_9N_4Na_3O_9S_2$

Molecular Weight 534.37 According to documentation available is edible dye.

3. Physical and chemical properties: -

Physical State Solid, Fine Powder/Granules

Colour Light Orange
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 0.70

Solubility in water 140 gms/litre

5. Stability & Reactivity: -

Hazardous Reactions No

Hazardous Decomposition Product Not Established



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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: -

Eve Contact Wash eves 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 CO2
Thermal Decomposition Dangerous decomposition is not anticipated



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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 effct

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

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.