



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

Company
Addresses

Indigo Carmine

Promethea TechSynth Pvt. Ltd.
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)
Chemical Name

Indigoid
Disodium 3,3'-dioxo-2,2'-bi-indolyldiene-5,5'-
disulphonate

2. Information on Ingredients: -

E. E. C. No	E-132
EINECS	212-728-8
CAS No	860-22-0(5,5'isomer)
C. I. No	73015
Molecular Formula	C ₁₆ H ₈ N ₂ O ₈ S ₂ Na ₂
Molecular Weight	466.36
According to documentation available is edible dye.	

3. Physical and chemical properties: -

Physical State	Solid, Fine Powder/Granules
Colour	Dark Blue
Odor	Odorless
pH value	5-6
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	15 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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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: -

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.