



SAUJANYA EXPORTS

Manufacturers & Exporters of: Food Colours, Pigment Powders, Dyes & Dye Intermediates

B1- 1401 to 1406, Palladium 80ft Corporate Road, Opp Vodafone House, Off. S.G. Road, Prahlad Nagar, Ahmedabad- 380015.Gujarat. India

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ISO 9001 : 2008
Reg.No: RQ91/7914

CHOCOLATE BROWN HT - MATERIAL SAFETY DATA SHEET (MSDS)

Information of the substance and of the company

Commercial Product	CHOCOLATE BROWN HT
Synonyms	C.I.Food Brown #3 , BROWN HT
Chemical Family(class)	DIAZO
Chemical Name	DISODIUM-4, 4-(2, 4-DIHYDROXY-5-HYDROXY METHYL-1, 3-PHENYLENE BISAZO)-DI (NAPHTHALENE-1-SULFONATE)

Chemical Characterization Information On Ingredients

E.E.C.No.	E-155 , EINECS.: 224-924-0
CAS No.	4553-89-3, C.I.No.: 20285
Molecular Formula	C ₁₇ H ₁₈ N ₄ Na ₂ O ₉ S ₂
Molecular Weight	652.57
According to documentation available is edible dye.	

Physical and chemical properties

Physical State	Solid, Fine Powder/Granules.	
Colour	Reddish brown.	Odor : Odorless
pH value	4-6	Boiling Point : Not applicable
Melting Point	No sharp melting point observed	
Flash Point	Not applicable, 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	180 gms/litre	

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.

Handling & Storage

Handling	Avoid formation of dust
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Storage Keep in closed container at ambient temperature & humidity
Do Not Store Together Store Colour wise

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

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.

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
Injection Plently full water to be taken inside, special medical attension may not be necessary

Accidental Release Measures

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

Disposal Consideration

Can be sent to an incineration plant in accordance with local regulations

Fire Fighting Measures

Extinguishing Media Use dry chemicals or carbon dioxide CO₂
Thermal Decomposition Dangerous decomposition is not anticipated

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 0-2.5 mg/kg body weight



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JECFA 0-2.5 mg/kg body weight
EEC

Ecological Information

Water Hazard Being an edible dye, Not established

Transport Information

Not Hazardous Cargo Keep seperated from hazardous chemicals

Regulatory Information

Manufactured as per specification set by BIS (India), FAO/WHO (JECFA). Each country has its own laws on colouring of food-stuffs, colourant permitted and their purity standards

Other Information

This product should be stored, handled and used in accordance with good industrial hyginic 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

Note: All requirement shall be on dry basis.For total dye content: requirement within tolerance limit of $\pm 7.5\%$ the declared of value.