

NATURAL DYE MATERIAL SAFETY DATA SHEET

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SECTION 1 – IDENTITY

Trade / Common Names

Cutch, Brown #1, BCBR1
Lac, Red #3, BCR3
Quebrcho, Red #4 , BCR4
Pomegranate, Yellow #3, BCY3
Gallo-Tannin, Tan #1 BCN1
Himalayan Rhubarb, Yellow #5, BCY5
Madder, Red #2 BCR2
Myrobalan, Yellow #4 BCY4
Pom-Tannin Mix, Yellow #6 BCY6

Osage, Yellow #8 BCY8
Fustic, Yellow #2 BCY2
Cochineal, Red #1, #7 BCR1, BCR7
Weld, Yellow #1 BCY1
Logwood, Purple #1 BCP1
Saxon Blue, Blue #2 BC1
Walnut Powder, Brown #2 BCBR2

Botanical Name

Acacia catechu
Kerria lacca
Schinopsis lorentzii
Punica granatum
Quercus infectoria
Rheum imodin
Rubia tinctorium
Terminalia chebula
Punica granatum and Quercus
infectoria
Maclura pomifera
Chlorophora tinctoria
Dactylopius coccus
Reseda luteola
Haematoxylon campechianum
Indigofera tinctoria
Juglans nigra

Chemical Name / Synonyms Vegetable Extract of various natural sources for textile applications

Chemical Family: See above, Natural product – Variable composition

SECTION 2 – HAZARD SUMMARY

No toxic effects known from dust inhalation or ingestion. Inhalation may cause coughing and sneezing. Avoid breathing dust from powders. Avoid contact with

eyes. Contact with skin will cause temporary discoloration. Wash thoroughly after handling.

NFPA Rating:

Health N/A
Flammability 1 (Slight)
Reactivity 0 (Insignificant)

HMIS Rating:

Health N/A
Flammability 1 (Slight)
Reactivity 0 (Insignificant)

SECTION 3 – COMPONENTS

Name	%	CAS No.	RTECS No.
Polyphenolic Proanthocyanidins		100 Unknown	Not Listed

SECTION 4 – PHYSICAL DATA

Boiling Point: Not Applicable Melting Point: Not Applicable
Vapor Pressure: Not Applicable pH (1% solution) 3.0
Vapor Density: Not Applicable
Specific Gravity: Not Applicable
Solubility: Completely soluble in water
Physical Appearance & Odor: Powders and liquids

SECTION 5 – FIRE AND EXPLOSION HAZARD DATA

Flash Point: 950°F Flammable Limits: 950°F
Extinguishing Media: Water, carbon dioxide or dry chemical
Special Fire Fighting Procedures & Equipment: Wear SCBA
Unusual Fire & Explosion Hazards: May form explosive mixture like all organic dust
Hazardous Incomplete Combustion Products: Unknown

SECTION 6 – REACTIVITY DATA

Stability: At ambient temperatures: Stable
At elevated temperatures: Stable to decomposition
Conditions to Avoid: None
Hazardous polymerizations will NOT occur.

SECTION 7 – SPILL OR LEAK PROCEDURE

Steps to be taken if material is spilled: Sweep and pick up for disposal.
On Highway: Sweep and pick up for disposal.
Disposal Methods: Per Federal and State regulation.

SECTION 8 – HEALTH HAZARD DATA

Classification (29CFR 1910.1200): Non hazardous, non regulated material

Toxicity and Sensitivity Data:

Ingestion Oral LD-50:	Not Applicable
Absorption Dermal:	Not Applicable
Irritation:	Not Applicable
Inhalation Rate:	Not Applicable

Carcinogenicity: This material is not listed as a carcinogen by OSHA, NTP, IARC.

Primary Routes: Inhalation, eyes

Signs and Symptoms of Exposure (progressive):

- Inhalation: Sneezing, mucous flow, coughing
- Skin/eyes: Skin coloring, eyes irritation, tearing
- Ingestion: None
- Aqueous solution discolors skin, but no permanent adverse effects. No toxic effect known from dust inhalation or ingestion.

SECTION 9 – EMERGENCY AND FIRST AID

Inhalation: Remove person to fresh air. If breathing difficulty occurs, or coughing persists, get prompt medical attention.

Skin/Eye Contact: Flush eyes with plenty of clean water for at least 15 minutes. If irritation persists, get medical attention. Wash skin thoroughly with soap and warm water to remove temporary staining and use emollients if needed.

Ingestion (of quantity): If person is conscious, give water, induce vomiting. Get medical attention.

SECTION 10 – SPECIAL PROTECTION INFORMATION

Respiratory Protection: Dust respirator when handling, sifting, measuring or dissolving powder.

Eye Protection: Safety glasses when handling, sifting, measuring, or dissolving powder.

Protective Clothing: Appropriate clean clothing to prevent skin contact including gloves.

Personal Hygiene: Wash hands after exposure.

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