NATURAL DYE MATERIAL SAFETY DATA SHEET

BOTANICAL COLORS, LLC
10550 PHINNEY AVE N
SEATTLE WA 98133 USA
+206-518-7073
www.botanicalcolors.com
kathy@botanicalcolors.com

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

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
Haematoxyylon 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:  
<table>
<thead>
<tr>
<th>Health</th>
<th>N/A</th>
<th>Health</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>1 (Slight)</td>
<td>Flammability</td>
<td>1 (Slight)</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0 (Insignificant)</td>
<td>Reactivity</td>
<td>0 (Insignificant)</td>
</tr>
</tbody>
</table>

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
- 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.

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Botanical Colors, LLC. The data on this sheet relates only to the specific material designated herein. Botanical Colors, LLC assumes no legal responsibility for use or reliance upon these data.