SAFETY DATA SHEET (SDS)
POWDER CARAMEL COLOR

SECTION 1 - PRODUCT AND COMPANY
Product Name: Caramel Color (Powder)
Product Identifier: Class I, II, III, or IV. E150 (a, b, c, or d as applicable).
Use: Color
Manufactured by: Sethness Products Company
1347 Beaver Channel Parkway, Clinton, Iowa 52732-5933 USA
Telephone: 563-243-3943 (24 hour Service)
Email: clinton@sethness.com

SECTION 2 - HAZARD IDENTIFICATION
Pictogram: No symbol. Product is not hazardous when used and stored according to instructions.
Signal Word: Not Applicable
Hazard Statement: Not Applicable

SECTION 3 – COMPOSITION/INGREDIENT INFORMATION
Composition: Caramel Color (21 CFR 73.85)
Common Synonyms: Caramel
CAS #: 8028-89-5
EC #: 232-435-9 (as applicable)

SECTION 4 – FIRST-AID MEASURES
In case of eye contact: Immediately flush eyes with water for at least 15 minutes.
In case of skin contact: Wash skin with soap and water.

SECTION 5 – FIRE FIGHTING MEASURES
No special requirements

SECTION 6 – ACCIDENTAL RELEASE MEASURES
Spillage may be cleaned with a vacuum approved for dust collection or by sweeping.

SECTION 7 – HANDLING AND STORAGE
Take appropriate precautions to avoid contact with skin, eyes and clothing. Avoid inhalation.
Control dust formation during handling.
Maintain clean work environment.
Store in closed containers in a cool and dry environment, preferably not to exceed 32.2°C (90°F).
High temperature and humidity storage conditions accelerate product degradation although product remains non-hazardous.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION
No special precautions necessary. Normal hygiene practices to avoid contact with skin, eyes and clothing.
SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES (As Manufactured)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Fine powder</td>
</tr>
<tr>
<td>Color</td>
<td>Blackish-brown</td>
</tr>
<tr>
<td>Form</td>
<td>Powder</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic burnt sugar odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Physical state</td>
<td>Powder</td>
</tr>
<tr>
<td>pH, 1% solution</td>
<td>3.40-9.00</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not available</td>
</tr>
<tr>
<td>Pour point</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition temp.</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>Not available</td>
</tr>
<tr>
<td>Octanol/water coefficient</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Complete</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Moisture %</td>
<td>&lt;6.1</td>
</tr>
</tbody>
</table>

SECTION 10 – STABILITY AND REACTIVITY

Product is non-reactive and chemically stable
No known hazardous incompatibilities

SECTION 11 – TOXICOLOGICAL INFORMATION

No known acute or chronic health hazards
Not listed in the National Toxicology Program (NTP)

SECTION 12 – ECOLOGICAL INFORMATION

May contribute to biochemical oxygen demand (BOD) and chemical oxygen demand (COD).

SECTION 13 – DISPOSAL CONSIDERATIONS

Conventional methods consistent with local, state and federal regulations.

SECTION 14 – TRANSPORT INFORMATION

Listed under “CARAMEL” or “CARAMEL COLOR”
NAFTA Harmonized Tariff Classification Code: 1702.90.5000
No hazardous or special markings required

SECTION 15 – REGULATORY INFORMATION

Toxic Substance Control Act – H000-7743
The FDA and European Food Safety Authority (EFSA) have both affirmed in 2011 that Caramel Color is a safe color additive. The California Office of Environmental Health Hazard Assessment (OEHHA) has identified furfuryl alcohol and 4-methylimidazole (4-Mel) as carcinogens pursuant to California Proposition 65. Furfuryl alcohol is present in all Classes of Caramel Color in trace quantities, while 4-Mel is present in Class III and Class IV Caramel Colors. Contact Sethness Products Company for more information on levels.

The International Agency for Research on Cancer has identified 4-Mel as a possible carcinogen (Group 2B).

SECTION 16 – OTHER INFORMATION

Prepared by: Sethness Products Company
Other: Please contact us at 563-243-3943 or lab@sethness.com with any technical questions.

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