SAFETY DATA SHEET (SDS)
LIQUID CARAMEL COLOR

SECTION 1 - PRODUCT AND COMPANY

Product Name: Caramel Color (Liquid)
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
Flash point over 100°C (212°F)

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spillage may be absorbed on sand, cellulose, or vermiculite and/or cleaned with water that should be disposed of in a sanitary sewer. Secondary containment may be accomplished by diking with the materials mentioned above or sorbent pillows and dikes. Personal Protective Equipment (PPE) should include (at a minimum) waterproof boots, gloves and eye protection.

SECTION 7 – HANDLING AND STORAGE

Take appropriate precautions to avoid contact with skin, eyes and clothing.
Store in closed containers in a cool and dry environment, preferably not to exceed 32.2°C (90°F). Protect from freezing. CS1, CS5, and P123 should be maintained 15.5-32.2°C (65-90°F), CS30 should be maintained 10-32.2°C (50-90°F). High temperature storage accelerates product degradation although product remains non-hazardous. See Product Specifications and Technical Data for each product for more information.

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>Viscous to semi-viscous liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Blackish-brown to reddish-tan</td>
</tr>
<tr>
<td>Form</td>
<td>Liquid</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>Liquid</td>
</tr>
<tr>
<td>pH</td>
<td>2.4 – 10.5</td>
</tr>
<tr>
<td>Freezing point</td>
<td>0°C (32°F) and below</td>
</tr>
<tr>
<td>Boiling point</td>
<td>100°C (212°F) and above</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>Over 100°C (212°F)</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>1.24 – 1.40</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>10-5000 cP</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 (OEHHAA) 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.

NOTE: Once this document is copied, printed, emailed, downloaded, or modified in any way from what is stated on its' docsign sheet, it becomes UNCONTROLLED. For the current Controlled Document or assistance contact lab@sethness.com or www.sethness.com or call 888-772-1880.