

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.

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES (As Manufactured)

Appearance:	Viscous to semi-viscous liquid	Evaporation rate:	Not available
Color:	Blackish-brown to reddish-tan	Flash point:	Over 100°C (212°F)
Form:	Liquid	Auto-ignition temp.	Not available
Odor:	Characteristic burnt sugar odor	Flammability:	Not available
Odor Threshold:	Not available	Vapor pressure:	Not available
Physical state:	Liquid	Vapor density:	Not available
pH:	2.4 – 10.5	Specific gravity:	1.24-1.40
Freezing point:	0°C (32°F) and below	Octanol/water coefficient:	Not available
Boiling point:	100°C (212°F) and above	Solubility in water:	Complete
Pour point:	Not available	Viscosity:	10-5000 cP

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 "CAMEL" or "CAMEL COLOR"
NAFTA Harmonized Tariff Classification Code: 1702.90.5000
No hazardous or special markings required

SECTION 15 – REGULATORY INFORMATION

U.S. Code of Federal Regulations (CFR): 21 CFR 73.85 (CAMEL), 21 CFR 182.1235 (GRAS).
European Directives: (EU) No. 231/2012 (Purity specs), (EU) No. 1169/2011 (except those containing > 10 ppm sulfite), Regulation (EC) No. 1333/2008
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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