



Caramel Flavor MSDS

MATERIAL SAFETY DATA SHEET

McKnight Standard LLC
Flavorah
PO Box 2624
Woodinville, WA

Information: 1 (844) 358-8273

Emergency : For Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300

SECTION 1: IDENTIFICATION

Product ID: FLV 100090

Product Name: Flavorah Caramel Flavor

Recommended Use: Not for personal use in this form. Flavoring intended for further processing in the E-Cigarette Industry.

SECTION 2: COMPOSITION

A Flavoring Compound: A multi component mixture of flavoring ingredients. The specific chemical identities of the ingredients not listed herein are considered by Flavorah to be trade secrets and are withheld in accordance with the provisions of 1910.1200 of Title 29 of the US Code of Federal Regulations.

WARNING: This flavor contains ETHYL ALCOHOL (CAS# 64-17-5).

SECTION 3: HAZARD IDENTIFICATION & EMERGENCY OVERVIEW

Overview: When vaporized poses irritation to the eyes, nose, and respiratory tract. Excessive inhalation may cause lung damage.

Combustible: Avoid open flames, excessive heat, or other sources of ignition.

Eye: May cause eye irritation. May cause redness and pain.

Skin: May cause moderate skin irritation, irritation, or pain. May be harmful if absorbed through skin.

Ingestion: Harmful if swallowed; nausea, vomiting and diarrhea may occur.

Inhalation: Causes respiratory tract irritation.

SECTION 4: FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention.

Skin: Immediately flush skin with plenty of water for at least 15 minutes, remove any contaminated clothing and shoes. Get medical attention.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Seek medical attention.

Inhalation: Causes respiratory tract irritation



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SECTION 5: FIRE FIGHTING MEASURES

Flash Point:	100°F
Extinguishing Media:	Carbon Dioxide; Foam
Special Fire Fighting Procedures:	Wear approved NIOSH self-contained breathing apparatus and full protective clothing when fighting fires involving chemicals.
Unusual Fire & Explosion Hazard:	Closed containers may build up pressure at elevated temperatures. If possible containers should be cooled with a water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release:	Use absorbed material to pick up spills, place in an approved container. Consult section 8 of this MSDS for PPE requirements.
Waste Disposal:	Observe Federal, State, and Local laws concerning health and pollution.

SECTION 7: HANDLING & STORAGE

Handling:	Wash thoroughly after handling. Wash hands before eating. Use only in a well ventilated area. Avoid breathing dust, vapor, mist, or gas. Do not get on skin or in eyes. Avoid ingestion and inhalation.
Storage:	Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container.

SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

Respiratory:	Use an NIOSH approved respirator with organic vapor cartridges.
Eye:	May cause eye irritation. May cause redness and pain.
Skin:	Wear appropriate chemical resistant protective gloves to prevent skin exposure. Wear aprons to reduce skin exposure, change clothing should it become saturated.
Engineering Controls:	Facilities should be equipped with eye wash stations and safety shower. Use process enclosure or local exhaust ventilation, or other engineering controls to help control airborne levels. Use closed systems to transfer flavorings whenever possible.
Worker Health:	N/A
NIOSH Alert:	NIOSH has published an Alert on preventing lung disease in workers who use or make flavorings. We recommend that you review this publication to obtain a thorough understanding of the methods recommended by NIOSH to reduce the risks of worker exposure to flavoring. (NIOSH Publication Number 2004-110)

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance & Physical State:	CLEAR, BROWN, MOBILE
Boiling Point:	NA
Melting Point:	NA
Specific Gravity:	1.003 + or - .01
Vapor Pressure:	NA
Vapor Density:	NA
Solubility in H₂O:	WATER SOLUBLE



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SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	Excessive heat, Open flames, or other sources of ignition
Materials to Avoid:	None Known
Hazardous Polymerization Products:	None Known
Hazardous Combustible or Decomposition Products:	None Known

SECTION 11: TOXICOLOGICAL INFORMATION

TLV:	Not Established			
PEL:	Not Established			
Carcinogenicity:		NTP: NO	IARC: NO	OSHA: NO

SECTION 12: ECOLOGICAL INFORMATION

Flavor is expected to biodegrade to a moderate extent in the environment. It is not expected to significantly bio-accumulate.

SECTION 13: DISPOSAL CONSIDERATION

Empty all containers until no free liquid remains. Minimize release to the environment. Dispose of in accordance with Federal, State or Local regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Hazard Class:	3
IATA:	1197

SECTION 15: REGULATORY INFORMATION

SARA Title III: To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements of section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

SECTION 16: OTHER INFORMATION

Material Safety Data Sheet prepared by McKnight Standard LLC

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet.

Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.