



Caravan Ingredients

MATERIAL SAFETY DATA SHEET

Chemical Product and Company Information

Date: December 27, 2006

Caravan Ingredients Inc.
7905 Quivira Road
Lenexa, Kansas 66215
Phone: (800) 669.4092 Fax: (913) 888.4970

Hours: 8:00 AM - 4:30 PM Central Time

Product Code:

Product Name: **ATMOS 300K**

108

Composition / Information on Ingredients

(order of predominance)

Chemical	CAS#	Chemical	CAS#
Mono and Diglycerides	67701-32-0	Propyl Gallate	121-79-9
	or	Citric Acid	77-92-9
Propylene Glycol	91744-20-6		
	57-55-6		

Hazards Identification

Emergency Overview

Yellow waxy, oily liquid.
Product can burn in a fire. Extinguish flames with dry chemical, water fog or spray, CO2 or foam or sand/earth. Avoid heavy water stream as fatty material will float. Get medical attention if large amounts are swallowed.

Potential Health Effects

Eyes: May cause slight irritation.
Skin: May be an irritant. Contact with product at elevated temperatures can cause thermal burns.
Ingestion: Low level of toxicity. Believed to present very little hazard if swallowed.
Inhalation: May be slightly irritating to respiratory tract.



First Aid Measures

Eye Contact:

Flush with running water to remove from eyes. Get medical attention if irritation develops.

Skin Contact:

Wash exposed area with soap and water. For contact with product that is molten, cool burned skin area by immersing or applying cold water. Otherwise, get medical attention if irritation develops.

Ingestion:

Get medical attention if large amounts are swallowed, or in event of abdominal distress.

Inhalation:

Remove to fresh air. Get medical attention for any breathing difficulty.

Fire Fighting Measures

Flash Point: 98°C (210°F)

Flammable Limits: No data available

Extinguishing Media: Water fog or spray, dry chemical, CO₂, foam or sand/earth.

Special Instructions: Do not use heavy stream of water as fatty material will float

Hazardous Products: Carbon monoxide, carbon dioxide from burning.

Accidental Release Measures

Ordinary housekeeping procedures are adequate. Sweep or scoop up and remove. Do not return spilled material to original container. Material can be burned or landfilled. Consult federal, state or local authorities for proper disposal. Unusable material should be disposed of at an approved facility.

Handling and Storage

Keep container closed when not in use. Store in a cool, dry area. Do not store near combustibles. Keep away from heat, sparks and flames. Product from unopened containers that have been stored under recommended conditions (55°F-85°F) may be used for up to 12 months from date of manufacture.



Exposure Controls/Personal Protection

Engineering Controls:

Use of a local exhaust system is satisfactory to control fumes from hot material.

Personal Protection:

- Eye: Wear safety glasses or goggles. Eyewash station should be provided.
- Respiration: Protection not needed if ventilation is good. Otherwise, use NIOSH/MESA approved dust mask.
- Skin: Protective gloves recommended. Wash thoroughly after handling. Do not get in eyes, on skin or clothing.

Exposure Guidelines:

Specific exposure limits have not been established for this material.

Physical and Chemical Properties:

Appearance:	Yellow waxy, oily liquid.	Boiling Point:	>260°C (500°F)
Odor:	Bland odor	Vapor Density:	N.A.
Vapor Pressure:	Negligible	Specific Gravity:	About 0.95
Water Solubility:	Negligible at 25°C	Evaporation Rate:	Negligible
Melting Point:	N.A.		

Reactivity:

- Stability: Stable material under normal conditions.
- Incompatible Materials: Keep away from strong oxidizers such as hydrogen peroxide, bromine and chromic acid.
- Hazardous Decomposition: Carbon dioxide or carbon monoxide from burning.
- Hazardous Polymerization: Will not occur.

Toxicological Information:

This product is intended for use as an emulsifier in various food products. It is not hazardous as defined in the Federal Hazardous Substance Act. It is also not toxic as defined in OSHA Regulations 20 CFR 1900.1200 - Appendix A - Health Hazard Definitions. Ingestion: Acute toxicity via the oral route of administration is expected to be low.



Ecological Information:

No data available

Disposal Considerations:

This product is not considered a hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261. Please be advised, however, that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding proper disposal of this material. Unusable material should be disposed of at an approved facility.

Transport Information:

This product is not a DOT Hazardous Material.

Regulatory Information:

OSHA Hazard Communication Standard, 29 CFR 1900.1200:

OSHA Hazard Communication Standard, 29 CFR 1900.1200: The components of this product are not considered hazardous chemicals.

TSCA (Toxic Substances Control Act)

The ingredients of this product appear on the TSCA Chemical Substance Inventory List, but with no Statutory or Final Reporting Quantities noted.

SARA Title III (Superfund Amendments and Reauthorization Act):

Section 311/312 Hazard Categories
Does not meet any hazard category.

Section 313 Reportable Ingredients
None

Other Information:

Kosher Certified
Conforms to Food Chemical Codex, Third Edition.



MATERIAL SAFETY DATA SHEET

Updated On: 1/8/2010 D

Atmos® 300K
125770**Composition / Information on Ingredients**

Component	CAS#
Mono- and Diglycerides	67701-32-0
Propylene Glycol	57-55-6
Propyl Gallate	121-79-9
Citric Acid	77-92-9

**Hazards Identification**

Emergency Overview: Clear yellow waxy liquid (may cloud at low temps). Product can burn in a fire. Extinguish flames with dry chemical, water fog, CO2 or foam or sand/earth. Avoid heavy water stream as fatty material will float. Do not wash into sewer. Get medical attention if large amounts are swallowed.

Potential Health Effects

Eyes: May cause slight irritation.

Skin: May be an irritant Contact with product at elevated temperatures can cause thermal burns.

Ingestion: Low level of toxicity. Believed to present very little hazard if swallowed. Inhalation: May be slightly irritating to respiratory tract, especially if hot.

First Aid Measures

Eye Contact: Flush with running water to remove from eyes. Get medical attention if irritation develops.

Skin Contact: Wash exposed area with soap and water. For contact with product that is hot, cool burned skin area by immersing or applying cold water. Otherwise, get medical attention if irritation develops.

Ingestion: Get medical attention if large amounts are swallowed, or in event of abdominal distress.

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.

Fire Fighting Measures

Flash Point: No data available

Flammable Limits: No data available

Extinguishing Media: Water fog, dry chemical, CO2, foam or sand/earth.

Special Instructions: Do not use heavy stream of water as fatty material will float. Do not wash into sewer.

Hazardous Products: Carbon monoxide, carbon dioxide from burning.

Accidental Release Measures

Dry cleanup recommended. Avoid sewer disposal.

This information is not to be taken as a warranty or representation for which we assume legal responsibility nor as permission or recommendation to practice any patented invention without a license. It is offered solely for your consideration, investigation, and verification.

MATERIAL SAFETY DATA SHEET

Updated On: 1/8/2010 D

Atmos® 300K
125770

Handling and Storage

Keep container closed when not in use. Store in a cool, dry area. Do not store near combustibles. Keep away from heat, sparks and flames.

Exposure Controls/Personal Protection

Engineering Controls: Use in a well-ventilated area.

Personal Protection:

Eye: Wear safety glasses or goggles. Eyewash station should be provided.

Respiration: Protection not needed if ventilation is good. Otherwise, use NIOSH/MESA approved dust mask if material heated or atomized.

Skin: Protective gloves recommended. Wash thoroughly after handling. Do not get in eyes, on skin or clothing.

Exposure Guidelines: Specific exposure limits have not been established for these materials.

Physical and Chemical Properties

Appearance:	Clear yellow waxy liquid		
Odor:	N.A.	Boiling Point:	>260 °C
Vapor Pressure:	N.A.	Vapor Density:	N.A.
Water Solubility:	Negligible	Specific Gravity:	~ 0.95
Melting Point:	N.A.	Evaporation Rate:	N.A.

Reactivity

Stability: Stable material under normal conditions.

Incompatible Materials: Keep away from strong oxidizers such as hydrogen peroxide, bromine and chromic acid.

Hazardous Decomposition: Carbon dioxide or carbon monoxide from burning.

Hazardous Polymerization: Will not occur.

Toxicological Information

This product is intended for use in bakery products. It is not hazardous as defined in the Federal Hazardous Substance Act. It is also not toxic as defined in OSHA Regulations 20 CFR 1900.1200 - Appendix A - Health Hazard Definitions. Ingestion: Acute toxicity via the oral route of administration is expected to be low.

Ecological Information

No data available

This information is not to be taken as a warranty or representation for which we assume legal responsibility nor as permission or recommendation to practice any patented invention without a license. It is offered solely for your consideration, investigation, and verification.



MATERIAL SAFETY DATA SHEET

Updated On: 1/8/2010 D

Atmos[®] 300K
125770

Disposal Considerations

This product is not considered a hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261. Please be advised, however, that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding proper disposal of this material. Unusable material should be disposed of at an approved facility.

Transport Information

This product is not a DOT Hazardous Material.

Regulatory Information

OSHA Hazard Communication Standard, 29 CFR 1900.1200: The components of this product are not considered hazardous chemicals.

TSCA (Toxic Substances Control Act): The ingredients of this product appear on the TSCA Chemical Substance Inventory List, but with no Statutory or Final Reporting Quantities noted, or are exempt.

SARA Title III (Superfund Amendments and Reauthorization Act): Section 311/312 Hazard Categories - Does not meet any hazard category.

Section 313 Reportable Ingredients: none.

Other Information

May be Kosher Certified.
Conforms to Food Chemical Codex, Fifth Edition.

This information is not to be taken as a warranty or representation for which we assume legal responsibility nor as permission or recommendation to practice any patented invention without a license. It is offered solely for your consideration, investigation, and verification.

Peanut Declaration

Please be assured that products manufactured by Corbion Caravan do not contain peanut ingredients or their derivatives, nor are peanuts present in any manufacturing facility.

We hope the above information will be helpful to you and your company. If you have any further questions, please contact the Compliance and Documentation Department at documents@corbion.com or by phone at (800) 669-4092.

Corbion Caravan
Compliance and Documentation Department

This information is not to be taken as a warranty or representation for which we assume legal responsibility. It is offered solely for your consideration, investigation, and verification. All documents provided to your Company by Corbion Caravan are considered Confidential Information. By accepting this information, your Company agrees that any confidential information, provided by Corbion Caravan, shall not at any time be appropriated, converted for use by, or shared with a third party for any reason other than the limited purpose authorized by Corbion Caravan.

7905 Quivira Road | Lenexa, KS 66215 | 800.669.4092