



MATERIAL SAFETY DATA SHEET

Chemical Product and Company Information

Date: April 13, 2007

Caravan Ingredients Inc.

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

7905 Quivira Road

Lenexa, Kansas 66215

Phone: (800) 669.4092 Fax: (913) 888.4970

Product Code:

Product Name: XPANDO 70

026

Composition / Information on Ingredients

(order of predominance)

| Chemical | CAS# |
|----------------|------------|
| Monoglycerides | 67701-32-0 |
| Tocopherol | 1406-18-4 |

Hazards Identification

Emergency Overview

Light cream, votated plastic.

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 for 15 minutes to remove from eyes. Get medical attention if irritation develops.

Skin Contact:

Wash exposed area with soap and water. 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: Above 280°F

Flammable Limits: N/A

Extinguishing Media: 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

Dry clean up recommended. Use absorbent material to collect and contain for disposal. Sweep or scoop up and remove. Do not dispose of any lipid material via sanitary sewers. 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.

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:

Although specific exposure limits have not been established for these materials, OSHA and ACGIH have established limits for nuisance dusts. This material should be handled in accordance with the established limits for nuisance dusts.

Physical and Chemical Properties:

| | | | |
|-------------------|-------------------------------|-------------------|------|
| Appearance: | Light cream, votated plastic. | | |
| Odor: | Mild | Boiling Point: | N.A. |
| Vapor Pressure: | N.A. | Vapor Density: | N.A. |
| Water Solubility: | Dispersible | Specific Gravity: | 0.9 |
| Melting Point: | 110-120 deg. F | 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 a food ingredient intended for use in yeast raised baked 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.