

MATERIAL SAFETY DATA SHEET



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MSDS No: 07-8517-02
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Revision No: 2

Captex 355 EP/NF

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Captex 355 EP/NF
PRODUCT DESCRIPTION: Triglycerides of caprylic/capric acid
PRODUCT FORMULATION NAME: Captex 355
CHEMICAL FAMILY: Triglyceride

MANUFACTURER

ABITEC Corporation
 Janesville, WI
 1530 South Jackson Street
 Janesville WI 53546
Product Stewardship: 608-752-9007
Service Number: 608-752-9007

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300
 CANUTEC: (613) 996-6666
 International Call Collect: (703) 527-3887

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Colorless to light yellow odorless liquid.

IMMEDIATE CONCERNS: None

POTENTIAL HEALTH EFFECTS

EYES: Slightly irritating to the eyes.

SKIN: Not established

SKIN ABSORPTION: Not expected

INGESTION: May cause gastrointestinal discomfort.

INHALATION: Vegetable oil mists are classified as "nuisance particulates" by OSHA and the American Conference of Governmental Industrial Hygienists (no health effects reported).

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Slightly irritating to the eyes.

SKIN: None Expected.

SKIN ABSORPTION: No data available.

INGESTION: May cause gastrointestinal discomfort.

INHALATION: Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

ACUTE TOXICITY: No data available.

CHRONIC EFFECTS: No data available.

CARCINOGENICITY: None Expected.

MUTAGENICITY: None Expected.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: None Expected.

TERATOGENIC EFFECTS: None Expected.

MEDICAL CONDITIONS AGGRAVATED: No data available.

ROUTES OF ENTRY: Material in vapor form may enter the respiratory tract through inhalation. Material in liquid form is not likely to enter the body through the skin or eyes.

TARGET ORGAN STATEMENT: None

CANCER STATEMENT: None

IRRITANCY: May cause irritation of the eyes and respiratory tract at elevated temperatures.

SENSITIZATION: Not expected

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS	Classification
Triglycerides of caprylic/capric acid	100	65381-09-1	265-724-3	Not classified as dangerous

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN: Wash with soap and water. Wash affected area with water for at least 15 minutes.

INGESTION: If gastrointestinal discomfort is encountered, contact a physician.

INHALATION: Remove to fresh air. Get medical help if needed.

ANTIDOTES: No data available.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: (480°F) COC (Cleveland Open Cup)

FLAMMABLE LIMITS:

Notes: No data available.

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, foam or sand/earth

HAZARDOUS COMBUSTION PRODUCTS: No data available.

FIRE FIGHTING PROCEDURES: Material will not burn without outside heat source. After flames are suppressed, remove any outside heat source. Treat as fat or oil fire. Do not use heavy stream of water. Fatty material will float and splatter surrounding area.

FIRE EXPLOSION: Combustible Liquid. Can form flammable mixtures at temperatures at or above the flash point.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, Carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Stop spill at source, dike area of spill to prevent spreading. Absorb liquid on solid absorbent material and shovel into containers. Wash floors with detergent and rinse with hot water to prevent slipping.

LARGE SPILL: Stop spill at source. Dike area of spill to prevent spreading. Pump liquid to salvage tank. Absorb liquid on solid absorbent material and shovel into containers. Prevent run-off to sewers, streams or other bodies of water. Wash floors with hot soapy water and rinse with hot water to prevent slipping.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.

LAND SPILL: Soak up with absorbent. Shovel up and place in a waste container.

AIR SPILL: None

7. HANDLING AND STORAGE

HANDLING: Material may be hot. Take precautions against thermal burns.

STORAGE: Keep away from heat and flame. Keep container closed when not in use. Store in a dry area. Stainless steel storage tanks are recommended. Lined or unlined mild steel drums are suitable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Good general ventilation should be sufficient to control airborne levels.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear goggles for hot material.

SKIN: Wear neoprene or lined PVC gloves for hot material.

RESPIRATORY: No special ventilation requirements.

PROTECTIVE CLOTHING: Rubber boots and apron should be worn for hot material. Work uniform or tyvek suit should be adequate protection when working with ambient materials.

WORK HYGIENIC PRACTICES: Remove clothing and launder or dispose in an approved waste disposal facility. Wash hands with soap and water after handling this product or clothing containing residual.

OTHER USE PRECAUTIONS: Use adequate protection against incidental contact with hot material.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid.

ODOR: None

APPEARANCE: Colorless to light colorless liquid.

COLOR: Colorless to light colorless liquid.

pH: Not Available

PERCENT VOLATILE: Not Available

VAPOR PRESSURE: Negligible

VAPOR DENSITY: Heavier

BOILING POINT: >500 F

FREEZING POINT: Not Available

MELTING POINT: Not Available

POUR POINT: Not available

FLASHPOINT AND METHOD: (480°F) COC (Cleveland Open Cup)

SOLUBILITY IN WATER: Insoluble.

EVAPORATION RATE: Nil.

DENSITY: Not determined.

SPECIFIC GRAVITY: 0.950 @ 25°C

VISCOSITY #1: 23 CST at (77°F)

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

CONDITIONS TO AVOID: Keep away from temperatures near the flash point. Store away from heat or direct sunlight.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and Carbon dioxide.

INCOMPATIBLE MATERIALS: Oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES: Not known

DERMAL LD₅₀: Not known

SKIN ABSORPTION: Not known

ORAL LD₅₀: > 34000 mg/kg (rat)

Notes: >23500 mg/kg mice

INHALATION LC₅₀: Not known

NOTES: None Expected.

EYE EFFECTS: Human Mucous Membranes (undiluted samples) = No eye irritation

SKIN EFFECTS: Draize Skin Test = No or slight irritation potential. Buehler Sensitization = No reaction.
Human Skin Patch Tests (undiluted samples) = No perceptible skin irritation.

CHRONIC: None known

SUBCHRONIC: None known

CARCINOGENICITY

IARC: Not Listed

NTP: Not Listed

OSHA: Not Listed

SENSITIZATION: None Expected.

NEUROTOXICITY: None known

REPRODUCTIVE EFFECTS: None known

TARGET ORGANS: None known

TERATOGENIC EFFECTS: None known

MUTAGENICITY: None known

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Prevent liquid from entering bodies of water.

ECOTOXICOLOGICAL INFORMATION: No data available.

CHEMICAL FATE INFORMATION: Biodegradable.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Obtain the consent of pollution control authorities before discharging to wastewater treatment plants. Treat using the best available techniques before discharge into drains or the aquatic environment. Use appropriate container to avoid environmental contamination.

FOR LARGE SPILLS: Stop spill at source, dike area of spill to prevent spreading. Pump liquid to salvage tank. Absorb liquid on solid absorbent material and shovel into waste container. Prevent run-off to sewers, streams or other bodies of water.

PRODUCT DISPOSAL: Place waste in waste container and dispose in accordance with federal, state and local regulations. Obtain the consent of the local publically-owned treatment works before discharging waste to a publically-owned treatment facility.

EMPTY CONTAINER: Remove product residue and dispose of container at an approved waste handling facility.

RCRA/EPA WASTE INFORMATION: This material as a waste does not meet the federal definition of hazardous waste. State and local waste regulations should be reviewed as their rules regarding hazardous waste may be more stringent than the federal rules.

RCRA HAZARD CLASS: None

GENERAL COMMENTS: It is the responsibility of the user of this product to characterize wastes generated to determine if the waste meets the definition of hazardous waste.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated.

PRIMARY HAZARD CLASS/DIVISION: Not regulated.

REPORTABLE QUANTITY (RQ) UNDER CERCLA: Not applicable.

MARINE POLLUTANT #1: Not considered a marine pollutant

AIR (ICAO/IATA)

TECHNICAL NAME: Not regulated.

PRIMARY HAZARD CLASS/DIVISION: Not regulated.

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not regulated.

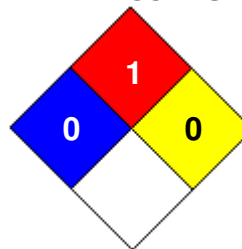
PRIMARY HAZARD CLASS/DIVISION: Not regulated.

15. REGULATORY INFORMATION**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HAZARD CATEGORIES:** None**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** No **CHRONIC:** No**SECTION 312 THRESHOLD PLANNING QUANTITY (40 CFR370):** None**313 REPORTABLE INGREDIENTS:** None**302/304 EMERGENCY PLANNING****EMERGENCY PLAN:** NA = Not Applicable**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)****CERCLA REGULATORY:** NA = Not Applicable**EPA****EPA RQ INGREDIENT:** None**TSCA (TOXIC SUBSTANCE CONTROL ACT)****TSCA REGULATORY:** This product or its components, are listed on, or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.**CLEAN AIR ACT****40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION:** NA = Not Applicable**OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)****29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS:** NA = Not Applicable**CALIFORNIA PROPOSITION 65:** NA = Not Applicable**RCRA STATUS:** Not regulated as hazardous waste.**OSHA HAZARD COMM. RULE:** NA = Not Applicable**CLEAN WATER ACT:** Oils may be regulated under EPA's Oil Pollution Control Act. Users may be required to have a SPCC Plan for their facility.**NATIONAL RESPONSE CENTER:** No data available.**CARCINOGEN:** NA = Not Applicable**USDA (U.S. DEPARTMENT OF AGRICULTURE):** No data available.**FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT):** NA = Not Applicable**SDWA (SAFE DRINKING WATER ACT):** No data available.**DEA (DRUG ENFORCEMENT PRECURSOR & ESSENTIAL CHEMICALS) LISTED SUBSTANCE:** NA = Not Applicable**CANADA****WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):** This product is not considered to be hazardous as defined by Canadian WHMIS Controlled Products Regulations.**16. OTHER INFORMATION****APPROVED BY:** Safety & Environmental Department**REVISION SUMMARY:** Revision #: 2 This MSDS replaces the April 01, 2004 MSDS. Any changes in

information are as follows: Section 1 Added 24 HR Emergency Numbers. Section 15 Added WHMIS information.

HMIS RATING

HEALTH:	0
FLAMMABILITY:	1
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

NFPA CODES

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