

# MATERIAL SAFETY DATA SHEET



**Date-Issued:** 07/13/2005  
**MSDS Ref. No:** 05-8800-00  
**Revision No:** New MSDS

## Captex 1000

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Captex 1000  
**PRODUCT DESCRIPTION:** Triglyceride of capric acid  
**PRODUCT CODE:** 8800  
**CHEMICAL FAMILY:** Triglyceride

#### MANUFACTURER

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

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300  
 CANUTEC: (613) 996-6666  
 International Call Collect: (703) 527-3887  
 Emergency Phone: (608) 752-9007

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt. %</u>	<u>CAS#</u>	<u>EINECS#</u>
Triglyceride of capric acid	100	621-71-6	210-702-0

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** White to light yellow solid.

**IMMEDIATE CONCERNS:** Poses little or no immediate hazard.

#### POTENTIAL HEALTH EFFECTS

**SKIN:** No evidence of adverse effects from available information.

**SKIN ABSORPTION:** Not expected.

**INGESTION:** May cause gastrointestinal discomfort if ingested in large quantities.

**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:** Slight irritation to eyes.

**SKIN:** No adverse symptoms expected.

**SKIN ABSORPTION:** No data available.

**INGESTION:** May cause gastrointestinal discomfort if ingested in large quantities.

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

**ACUTE TOXICITY:** Not expected.

**CHRONIC:** Not expected to cause adverse chronic effects.

**CARCINOGENICITY:** Not listed.

**MUTAGENICITY:** Not expected.

#### REPRODUCTIVE TOXICITY

**REPRODUCTIVE EFFECTS:** Not expected.

**TERATOGENIC EFFECTS:** Not listed.

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**MEDICAL CONDITIONS AGGRAVATED:** None known.

**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 known.

**SENSITIZATION:** Not expected.

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#### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with water for at least 15 minutes. If irritation persists, get 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.

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#### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** Not determined.

**AUTOIGNITION TEMPERATURE:** Not determined.

**EXTINGUISHING MEDIA:** Dry chemical or waterspray or water fog, carbon dioxide, foam or sand/earth.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide, Carbon dioxide.

**FIRE FIGHTING PROCEDURES:** If the product is involved with fire, extinguish with waterspray, dry chemical or alcohol foam. Keep containers cool by spraying with water if exposed to fire.

**FIRE FIGHTING EQUIPMENT:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

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#### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Vacuum or sweep up material and place in a disposal container.

**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:** Shovel or sweep up and place in a waste container.

**SPECIAL PROTECTIVE EQUIPMENT:** Wear PVC or neoprene gloves, goggles, and suitable boots.

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#### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Use with adequate ventilation. Avoid mist formation. Avoid contact with eyes.

**HANDLING:** Keep away from heat, sparks and flame. Wear recommended personal protective equipment. Never use pressure to empty drums.

**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.

**STORAGE TEMPERATURE:** Ambient.

**LOADING TEMPERATURE:** Ambient.

**LOADING/UNLOADING VISCOSITY:** Not determined.

**STORAGE PRESSURE:** Not determined.

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**SHELF LIFE:** Retest and requalify 2 years from date of manufacture.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Chemical splash goggles are recommended.

**SKIN:** Neoprene-type for hot oil.

**RESPIRATORY:** In the presence of mists or dusts, the use of a NIOSH/OSHA approved mask and/or respirator is recommended.

**PROTECTIVE CLOTHING:** Wear a work uniform or tyvek suit to protect self from mists.

**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 good chemical hygiene practices when handling this material.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Solid.

**ODOR:** Mild.

**APPEARANCE:** White to light yellow solid.

**pH:** Not determined.

**PERCENT VOLATILE:** Not determined.

**VAPOR PRESSURE:** < 1 mmHg at 25°C

**VAPOR DENSITY:** > 1 (Air = 1)

**BOILING POINT:** > (500°F)

**FREEZING POINT:** Not determined.

**MELTING POINT:** 33°C

**POUR POINT:** Not determined.

**SOLUBILITY IN WATER:** Insoluble.

**EVAPORATION RATE:** Nil.

**DENSITY:** Not determined.

**SPECIFIC GRAVITY:** 0.92 at (77°F) (Water = 1)

**VISCOSITY:** Not determined.

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## 10. STABILITY AND REACTIVITY

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

**CONDITIONS TO AVOID:** Keep away from temperatures near the flash point. Store away from oxidizers.

**POLYMERIZATION:** Product will not undergo polymerization.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide and Carbon dioxide.

**INCOMPATIBLE MATERIALS:** Oxidizers.

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## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**EYES:** Not known.

**DERMAL LD<sub>50</sub>:** Not known.

**SKIN ABSORPTION:** Not known.

**ORAL LD<sub>50</sub>:** > 36 ml/kg (rats).

**INHALATION LC<sub>50</sub>:** Not known.

**EYE EFFECTS:** Human Mucous Membranes Tests (undiluted sample) = 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.

**SENSITIZATION:** At high concentrations, mists may cause slight irritation to the respiratory system. Symptoms should disappear when exposure ceases.

**TARGET ORGANS:** None.

**CARCINOGENICITY:**

**IARC:** Not listed.

**NTP:** Not listed.

**OSHA:** Not listed.

**MUTAGENICITY:** No data available.

**REPRODUCTIVE EFFECTS:** No data available.

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## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Prevent liquid from entering bodies of water.

**ECOTOXICOLOGICAL INFORMATION:** Not determined.

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## 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. Wash floors with detergent and rinse with hot water to prevent slipping.

**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:** Non-hazardous.

**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.

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## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Not regulated.

**PRIMARY HAZARD CLASS/DIVISION:** Not regulated.

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## 15. REGULATORY INFORMATION

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:**

**FIRE:** NO **PRESSURE GENERATING:** NO **REACTIVITY:** NO **ACUTE:** NO **CHRONIC:** NO

**302/304 EMERGENCY PLANNING**

**EMERGENCY PLAN:** Not applicable.

**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.

**RCRA STATUS:** Not regulated as hazardous waste.

**OSHA HAZARD COMM. RULE:** 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:** Not applicable.

**CARCINOGEN:** This product has not been found to be carcinogen or potential carcinogen by IARC; it is not listed in the NTP Third Annual Report; nor is it regulated by OSHA as a carcinogen.

**CLEAN AIR ACT**

**40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION:** Not applicable.

**OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)**

**29 CFR 1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS:** Not applicable.

**CALIFORNIA PROPOSITION 65:** Not known to contain any listed Proposition 65 chemicals.

**16. OTHER INFORMATION**

**APPROVED BY:** Safety & Environmental Department

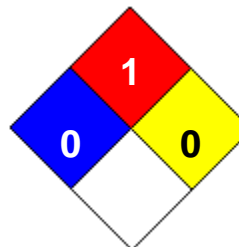
**PREPARED BY:** Safety & Environmental Department

**REVISION SUMMARY** This MSDS replaces the January 22, 2004 MSDS.

**HMIS RATING**

<b>HEALTH:</b>		<b>0</b>
<b>FLAMMABILITY:</b>		<b>1</b>
<b>PHYSICAL HAZARD:</b>		<b>0</b>
<b>PERSONAL PROTECTION:</b>		

**NFPA CODES**



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