

# MATERIAL SAFETY DATA SHEET



**Date-Issued:** 06/18/2002  
**MSDS Ref. No:** 02-534501  
**Date-Revised:** 06/19/2002  
**Revision No:** New MSDS

## Captex 500

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Captex 500  
**PRODUCT FORMULATION NAME:** Captex 500  
**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 Emergency Phone:** Call Collect (703) 5 27-3887  
**Emergency Phone:** 608-752-9007

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>	<u>EINECS#</u>
Glyceryl triacetate	99	102-76-1	203-051-9

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Colorless liquid with mild odor.

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

#### POTENTIAL HEALTH EFFECTS

**EYES:** Not expected to cause serious irritation.

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

**SKIN ABSORPTION:** A single, prolonged exposure is not likely to result in the material being absorbed through skin in harmful amount.

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

**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:** No adverse symptoms are expected from available information.

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

**ACUTE TOXICITY:** None expected

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

**CARCINOGENICITY:** Not listed.

**MUTAGENICITY:** Not expected from available information.

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**REPRODUCTIVE TOXICITY**

**REPRODUCTIVE EFFECTS:** Not expected from available information.

**TERATOGENIC EFFECTS:** Not Listed

**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.

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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.

**ANTIDOTES:** Information is not available.

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**5. FIRE FIGHTING MEASURES**

**FLASHPOINT AND METHOD:** ~ 146°C

**AUTOIGNITION TEMPERATURE:** ~ 432°C

**FLAMMABLE CLASS:** Not considered flammable, but is combustible.

**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.

**FLASHPOINT:** Combustible Liquid. Can form flammable mixtures at temperatures at or above the flash point.

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

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**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.

**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

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recommended. Lined or unlined mild steel drums are suitable.

**STORAGE TEMPERATURE:** Ambient

**LOADING TEMPERATURE:** Ambient

**LOADING/UNLOADING VISCOSITY:** Not Available

**STORAGE PRESSURE:** Not Available

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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:** Wear ANSI-approved goggles to guard against splash hazard.

**SKIN:** Neoprene or PVC lined gloves.

**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 laundry 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:** Liquid

**ODOR:** Mild, vegetable oil smell.

**APPEARANCE:** Colorless to light colorless liquid.

**COLOR:** Colorless

**pH:** Not Available

**PERCENT VOLATILE:** Not Available

**VAPOR PRESSURE:** Not Available

**VAPOR DENSITY:** Not Available

**BOILING POINT:** ~ 260°C

**FREEZING POINT:** Not Available

**MELTING POINT:** to -78°C

**SOLUBILITY IN WATER:** Insoluble

**EVAPORATION RATE:** Not Available

**DENSITY:** Not Available

**SPECIFIC GRAVITY:** 1.16 @ 20°C

**VISCOSITY:** Not Available

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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>:** 3.0 g/kg (rat)

Practically non-toxic but may cause sickness if large amounts are ingested.

**EYE EFFECTS:** No product toxicology data is available

**SKIN EFFECTS:** Not absorbed to any appreciable extent but may cause de-fatting of tissue in prolonged or repeated contact.

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

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## 12. ECOLOGICAL INFORMATION

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

**ECOTOXICOLOGICAL INFORMATION:** Expected to be biodegradable. Not likely to bi-accumulate. Will have high chemical oxygen demand in waterway or sewer. Products of hydrolysis are practically not toxic to aquatic species.

**CHEMICAL FATE INFORMATION:** Biodegradable

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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**

**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.

**TSCA STATUS:** Listed or exempt

**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.

**CALIFORNIA PROPOSITION 65:** Not applicable.

**16. OTHER INFORMATION**

**REASON FOR ISSUE:** New

**APPROVED BY:** Safety and Environmental Department

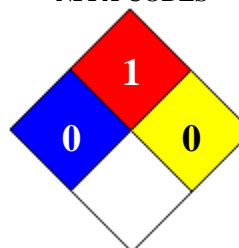
**PREPARED BY:** Safety and Environmental Department

**REVISION SUMMARY** New 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**



**NFPA STORAGE CLASSIFICATION:** Combustible.

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