

# MATERIAL SAFETY DATA SHEET



**Date-Issued:** 07/18/2005  
**MSDS Ref. No:** 05-8801-00  
**Revision No:** New MSDS

## Captex 100

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Captex 100  
**PRODUCT DESCRIPTION:** Propylene glycol dicaprato ester  
**PRODUCT CODE:** 8801  
**CHEMICAL FAMILY:** Propylene glycol diester

#### 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>
Propylene glycol dicaprato ester	100	53824-77-4	258-814-9

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Clear, colorless liquid.

**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:** Not expected.

**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:** 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:** Not expected.

**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:** > 200°C COC (Cleveland Open Cup)

**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:** Treat as fat or oil fire. Do not use heavy stream of water. Fatty material will float and splatter surrounding area.

**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:** Stop spill at source, dike area of spill to prevent spreading. Absorb liquid on solid absorbent material and place in a disposal container. Wash area with hot soapy water.

**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 recommended. Lined or unlined mild steel drums are suitable.

**STORAGE TEMPERATURE:** Ambient.

**LOADING TEMPERATURE:** Ambient.

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

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**STORAGE PRESSURE:** Not determined.

**SHELF LIFE:** Retest and requalify 18 months 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:** Liquid.

**ODOR:** Fatty odor.

**APPEARANCE:** Clear, colorless liquid.

**pH:** Not determined.

**PERCENT VOLATILE:** Not determined.

**VAPOR PRESSURE:** < 1 mmHg at 25°C

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

**BOILING POINT:** Not determined.

**FREEZING POINT:** Not determined.

**POUR POINT:** Not determined.

**SOLUBILITY IN WATER:** Insoluble.

**EVAPORATION RATE:** Nil.

**SPECIFIC GRAVITY:** Not determined.

**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>:** Not known.

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

**SENSITIZATION:** None expected.

**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:** Dispose according to federal, state, and local regulations. Use only licensed waste haulers and disposal contractors. Do not dispose of by means of sinks, drains, or in the immediate environment.

**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

**313 REPORTABLE INGREDIENTS:** None.

**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.

**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.

**CANADA**

**DOMESTIC SUBSTANCE LIST (INVENTORY):** Found on Domestic Substances List of Canada.

**EUROPEAN COMMUNITY**

**EUROPEAN COMMUNITY REGULATORY:** Product ingredients are on EINECS (European Union) inventory.

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

**16. OTHER INFORMATION**

**APPROVED BY:** Safety & Environmental Department

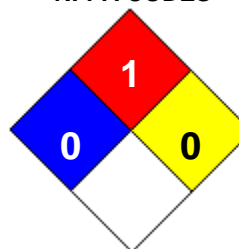
**PREPARED BY:** Safety & Environmental Department

**REVISION SUMMARY** This MSDS replaces the March 9, 2001 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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