

# MATERIAL SAFETY DATA SHEET

Trade Name: Castrol Ester Refrigerant Lubricant for A/C Systems  
MSDS NO. 6711  
Revision Date: 03/19/2002

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Castrol Ester Refrigerant Lubricant for A/C Systems  
Chemical Family: Refrigeration Oil  
Synonyms: None  
Emergency Telephone (24 hr.): CHEMTREC 1-800-424-9300  
Supplier:  
Technical Chemical Company, P.O. Box 139, Cleburne, Texas 76033

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Contains no ingredients now known to be hazardous as defined by OSHA. Castrol is registered in the U.S. Patent and Trademark Office.

## 3. HAZARDS IDENTIFICATION

**Emergency Overview:** Caution: Harmful if swallowed. This material is irritating to skin, eyes and mucous membranes. Ingestion of this product may cause gastrointestinal distress with symptoms of nausea, vomiting, diarrhea and abdominal pain.

## 4. FIRST AID MEASURES

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.  
**Ingestion:** DO NOT INDUCE VOMITING. Give nothing by mouth. Get medical attention! If vomiting occurs, keep head lower than hips to prevent aspiration.  
**Inhalation:** If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.  
**Skin Contact:** Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists. Wash with soap and water. Use skin cream for defatted areas.

## 5. FIRE FIGHTING MEASURES

### Flammable Properties

**Flash Point °F(°C):** >450 F. (>232 C.)  
**Flash Point Method:** COC  
**Flammable Limits in Air - Lower (%):** Not Determined  
**Flammable Limits in Air - Upper (%):** Not Determined  
**Autoignition Temperature °F(°C):** Not Determined  
**Extinguishing Media:** Carbon dioxide. Dry chemical. Foam.

### Protection Of Fire-Fighters:

**Special Fire-Fighting Procedures:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity.

**Hazardous Combustion Products:** Oxides of carbon, nitrogen and phosphorus.  
**Aerosol Comments:** Not Applicable

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate protective clothing and equipment to prevent skin and eye contact.  
**Spill Procedures:** Wear protective equipment specified. Contain any liquid from leaking containers. Absorb spills on inert material such as perlite, vermiculite, sand or dirt. Place in double polyethylene bags. Isolate from other waste materials. Wash walking surfaces with detergent and water to reduce slipping hazard.  
**Environmental Precautions:** Do not allow to enter sanitary drains, sewer or surface and subsurface waters.

## 7. HANDLING AND STORAGE

**Handling and Storage:** Avoid contact with eyes. Keep containers tightly closed when not in use. Use only in a well ventilated area. Good hygienic practices should be observed. Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded with material. Wash thoroughly after handling. Do Not Swallow. Store at room temperature. Avoid prolonged/repeated breathing of vapors, mists or fumes.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Eyewash stations. Showers. Use local exhaust.  
**Eyes:** Chemical goggles; also wear a face shield if splashing hazard exists.  
**Skin Protection:** Neoprene coated apron or clothing.  
**Respiratory Protection:** Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear, pale yellow solution	<b>pH Value:</b>	Not Determined
<b>Odor:</b>	MILD	<b>Vapor Density (Air=1):</b>	Not Determined
<b>Vapor Pressure:</b>	Not Determined	<b>Melting/Freezing Point:</b>	Not determined.
<b>Boiling Point (°F):</b>	>392 F.	<b>Bulk Density at 20°C:</b>	Not Determined
<b>Solubility in Water:</b>	INSOLUBLE	<b>Evaporation Rate:</b>	Not Determined
<b>Molecular Weight:</b>	Mixture	<b>Specific Gravity (H2O=1):</b>	.9500 @ 60F
<b>Viscosity:</b>	Not Available	<b>Decomposition Temperature:</b>	Not Known
<b>VOC Content(%):</b>	Not determined.		

**10. STABILITY AND REACTIVITY**

<b>Chemical Stability:</b>	Stable under normal conditions of handling, use and transportation.
<b>Conditions to Avoid:</b>	High temperatures.
<b>Materials to Avoid:</b>	Strong oxidizing agents. Strong acids and bases
<b>Hazardous Decomposition Products:</b>	Oxides of nitrogen Oxides of carbon. Oxides of phosphorus
<b>Hazardous Polymerization:</b>	Not determined.

**11. TOXICOLOGICAL INFORMATION**

**Toxicological Data:**

**Carcinogenicity:**

No component known to be present in this product at >.1% is presently listed as a carcinogen by IARC, NTP or OSHA.

**12. ECOLOGICAL INFORMATION**

Ecological testing has not been conducted on this product.

**13. DISPOSAL CONSIDERATION**

**Waste Classification:** This product as purchased does not fall under current U.S. EPA RCRA definitions of hazardous waste. Under RCRA it is the generator's responsibility to determine the status of the waste at the time of its disposal. This product does not contain any CERCLA regulated materials.

**Waste Management:** Not determined.

Disposal of this material to the land may be banned by federal law (40 CFR 268).

**14. TRANSPORTATION INFORMATION**

<b>U.S. DOT:</b>		
<b>Proper Shipping Name:</b>		Not Regulated
<b>Hazard Class:</b>		Not Applicable
<b>UN/NA Number:</b>		Not Applicable
<b>DOT Packing Group:</b>		Not Applicable
<b>IMDG:</b>		
<b>Proper Shipping Name:</b>		Not Regulated
<b>Hazard Class:</b>		Not Applicable
<b>Hazard Subclass:</b>		Not Applicable
<b>UN No.:</b>		Not Applicable
<b>Packing Group:</b>		Not Applicable
<b>Marine Pollutant:</b>		No

**15. REGULATORY INFORMATION**

**US Federal Regulations:**

**Trade Name:** Castrol Ester Refrigerant Lubricant for A/C Systems **MSDS NO.** 6711

Hazardous per OSHA 29 CFR 1910.1200

**SARA 311/312 Hazard Categories:** Immediate Delayed

**State Regulations:**

**U.S. TSCA:** The components of this product are listed on the TSCA Inventory.

<b>16. OTHER INFORMATION</b>
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**General Notes:** Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system.

**Disclaimer:**

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