

# MATERIAL SAFETY DATA SHEET

Trade Name: Castrol PAG 100 Premium Air Conditioning Lubricant  
MSDS NO. 6816  
Revision Date: 02/01/2001

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Castrol PAG 100 Premium Air Conditioning Lubricant  
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: Warning! Harmful if inhaled. Causes moderate eye irritation.

## 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:** Get immediate medical attention.  
**Inhalation:** Not a hazard under normal use conditions.  
**Skin Contact:** Flush with copious amounts of water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists.

## 5. FIRE FIGHTING MEASURES

**Flammable Properties**  
**Flash Point °F(°C):** 500 F. (260 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:** Water fog, carbon dioxide, foam, dry chemical  
**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.

## 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. Do not add nitrites or other nitrosating agents. A nitrosamine, which may cause cancer, may be formed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear, pale yellow solution

<b>Odor:</b>	MILD	<b>pH Value:</b>	5 - 8
<b>Vapor Pressure:</b>	<.01 mm Hg @ 20 C.	<b>Vapor Density (Air=1):</b>	9
<b>Boiling Point (°F):</b>	>392 F.	<b>Melting/Freezing Point:</b>	Not determined.
<b>Solubility in Water:</b>	100%	<b>Bulk Density at 20°C:</b>	Not Determined
<b>Molecular Weight:</b>	Mixture	<b>Evaporation Rate:</b>	<.01
<b>Viscosity:</b>	Not Available	<b>Specific Gravity (H2O=1):</b>	1.0350 @ 60F
<b>VOC Content(%):</b>	Not determined.	<b>Decomposition Temperature:</b>	Not Known

### 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	STABLE.
<b>Conditions to Avoid:</b>	None anticipated
<b>Materials to Avoid:</b>	Strong oxidizing agents.
<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.

### 14. TRANSPORTATION INFORMATION

**U.S. DOT:**

<b>Proper Shipping Name:</b>	ORM-D CONSUMER COMMODITY
<b>Hazard Class:</b>	ORM-D
<b>UN/NA Number:</b>	Not Applicable
<b>DOT Packing Group:</b>	Not Applicable

**IMDG:**

<b>Proper Shipping Name:</b>	Not determined.
<b>Hazard Class:</b>	Not determined.
<b>Hazard Subclass:</b>	Not determined.
<b>UN No.:</b>	Not determined.
<b>Packing Group:</b>	Not determined.
<b>Marine Pollutant:</b>	Not determined.

### 15. REGULATORY INFORMATION

**US Federal Regulations:**

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.

### 16. OTHER INFORMATION

**General Notes:** Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system.

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