

MATERIAL SAFETY DATA SHEET

Trade Name: Castrol PAG 46 Premium Air Conditioning Lubricant
MSDS NO. 6814
Revision Date: 02/28/2002

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Castrol PAG 46 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

Tricreysl Phosphate contains <1% ortho isomer and is not considered a Marine Pollutant by DOT. Contains no other ingredients in concentrations >.1% that are now known to be hazardous as defined by OSHA.

3. HAZARDS IDENTIFICATION

Emergency Overview: This material is a skin irritant. Causes moderate eye irritation. Causes respiratory 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: DO NOT induce vomiting. Wash out mouth with water and give 1 or 2 glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. Never give anything by mouth to an unconscious person. This material is considered to be only slightly toxic. The potential complications associated with removing material from the GI tract, the amount digested, and the time since ingestion should be taken into account when developing a treatment plan.
Inhalation: Not a hazard under normal use conditions. Remove from source of exposure. If signs of irritation or toxicity occur seek medical attention.
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): 250 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 If water is used, use with care to avoid possible violent production of steam.

Protection Of Fire-Fighters:

Special Fire-Fighting Procedures: Wear approved positive-pressure self-contained breathing apparatus and protective clothing.
Hazardous Combustion Products: Carbon Monoxide. Carbon Dioxide. Oxides of 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. Do not store at temperatures greater than 100 F.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Eyewash stations. Showers. Local exhaust ventilation as necessary to maintain exposures to within applicable limits.
Eyes: Chemical goggles; also wear a face shield if splashing hazard exists.
Skin Protection: Use chemical resistant gloves for prolonged skin contact. Neoprene coated apron or clothing.
Respiratory Protection: Not normally needed, if controls are adequate. If needed, use MSHA-NIOSH approved respirator for organic

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless to light yellow liquid	pH Value:	Not Determined
Odor:	MILD	Vapor Density (Air=1):	Not Determined
Vapor Pressure:	<5 mm Hg @ 20 C.	Melting/Freezing Point:	Not determined.
Boiling Point (°F):	>200 C	Bulk Density at 20°C:	Not Determined
Solubility in Water:	INSOLUBLE	Evaporation Rate:	Not Determined
Molecular Weight:	Mixture	Specific Gravity (H2O=1):	Not Determined
Viscosity:	68 cSt @ 40 C	Decomposition Temperature:	Not Known
VOC Content(%):	Not determined.		

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable at normal conditions
Conditions to Avoid:	None anticipated
Materials to Avoid:	Strong oxidizing agents. Alkali metals.
Hazardous Decomposition Products:	Oxides of phosphorus Carbon monoxide. Carbon dioxide.
Hazardous Polymerization:	WILL NOT OCCUR

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

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

15. REGULATORY INFORMATION

US Federal Regulations:

Trade Name: Castrol PAG 46 Premium Air Conditioning Lubricant **MSDS NO.** 6814

Hazardous per OSHA 29 CFR 1910.1200

SARA 311/312 Hazard Categories: Not Determined.

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.

Disclaimer:

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