

MATERIAL SAFETY DATA SHEET

Trade Name: Castrol PAG 150 Premium Air Conditioning Lubricant
MSDS NO. 6823
Revision Date: 12/07/2001

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Castrol PAG 150 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): 400 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: Topical: blue liquid

Trade Name:	Castrol PAG 150 Premium Air Conditioning Lubricant	MSDS NO.	6823
Odor:	MILD	pH Value:	5 - 8
Vapor Pressure:	<.01 mm Hg @ 20 C.	Vapor Density (Air=1):	51.83
Boiling Point (°F):	>392 F.	Melting/Freezing Point:	Not determined.
Solubility in Water:	100%	Bulk Density at 20°C:	Not Determined
Molecular Weight:	Mixture	Evaporation Rate:	<.01
Viscosity:	Not Available	Specific Gravity (H20=1):	1.0510 @ 60F
VOC Content(%):	Not determined.	Decomposition Temperature:	Not Known

10. STABILITY AND REACTIVITY

Chemical Stability:	STABLE.
Conditions to Avoid:	None anticipated
Materials to Avoid:	Strong oxidizing agents. Materials reactive with hydroxyl compounds. Strong acids and bases
Hazardous Decomposition Products:	Oxides of nitrogen Oxides of carbon. Oxides of phosphorus
Hazardous Polymerization:	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 difinitions 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:	ORM-D CONSUMER COMMODITY
Hazard Class:	ORM-D
UN/NA Number:	Not Applicable
DOT Packing Group:	Not Applicable

IMDG:

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

15. REGULATORY INFORMATION

US Federal Regulations:

 Hazardous per OSHA 29 CFR 1910.1200

SARA 311/312 Hazard Catagories: Immediate Delayed

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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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