

MATERIAL SAFETY DATA SHEET

Trade Name: Castrol A/C Lube & Seal
MSDS NO. 6551
Revision Date: 12/18/2001

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Castrol A/C Lube & Seal
Chemical Family: LUBRICANT
Synonyms: None
Emergency Telephone (24 hr.): CHEMTREC 1-800-424-9300 During normal business hours CST 817-645-6088.
Supplier: Technical Chemical Company, P.O. Box 139, Cleburne, Texas 76033

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient/CAS No.	wt. %	OSHA PEL TWA	OSHA PEL Ceiling Limits	ACGIH TLV TWA	ACGIH TLV STEL
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	60-90	Not known	Mist 5 mg/m3	TLV Mist 5 mg/m3 8 HR.	Not Known
Propane 74-98-6	5-20	1000 ppm	Not Known	2500 ppm	Not Known
Butane 106-97-8	0-15	Not Known	Not Known	800 ppm	Not Known

3. HAZARDS IDENTIFICATION

Emergency Overview: Warning! Content under pressure. Danger: Extremely flammable. Keep away from heat, sparks and flame. May cause moderate skin 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: If swallowed, observe victim for 24 hours; seek medical attention if indicated.
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: Wash with soap and water. Remove contaminated clothing and launder before reuse.

5. FIRE FIGHTING MEASURES

Flammable Properties
Flash Point °F(°C): -100 C. (lowest component)
Flash Point Method: TAG Closed Cup
Flammable Limits in Air - Lower (%): 1.8 (lowest component)
Flammable Limits in Air - Upper (%): 9.5 (lowest component)
Autoignition Temperature °F(°C): 871 F. (lowest component)
Extinguishing Media: Dry chemical. Use water spray to keep containers cool that are exposed to heat or flames. Carbon dioxide.
Protection Of Fire-Fighters:
Special Fire-Fighting Procedures: Wear approved positive-pressure self-contained breathing apparatus and protective clothing.
Hazardous Combustion Products: Carbon Dioxide. Carbon Monoxide. . Asphyxiants.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective clothing and equipment to prevent skin and eye contact.
Spill Procedures: Avoid all sources of ignition; heat, sparks and open flames. Contain any liquid from leaking containers. Wear protective equipment specified. Ventilate spill area. Soak up material with absorbent and place in chemical waste container.
Neutralize with suitable neutralizing agent after diluting with water.
Environmental Precautions: Do not allow to enter sanitary drains, sewer or surface and subsurface waters.

7. HANDLING AND STORAGE

Handling and Storage: Warning: Flammable gas. Caution: Contents under pressure. Keep away from heat and open flame. Do not puncture, incinerate or store above 120 F. Do not store in passenger compartment of automobile. Use only in a well ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Engineering Controls: Use in a well ventilated area. Local exhaust ventilation as necessary to maintain exposures to within applicable limits.

Eyes: Wear safety glasses or goggles to protect against exposure.

Skin Protection: Use chemical resistant gloves for prolonged skin contact.

Respiratory Protection: Use in a well ventilated area. Use approved NIOSH respiratory protection if TLV exceeded..... Or over exposure is likely.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Aerosol product contents is as follows. Colorless to light yellow liquid
Odor: PETROLEUM ODOR pH Value: No Data
Vapor Pressure: No Data Vapor Density (Air=1): No Data
Boiling Point (°F): NA aerosol product. Melting/Freezing Point: No Data
Solubility in Water: NEGLIGIBLE Bulk Density at 20°C: No Data
Molecular Weight: Mixture Evaporation Rate: No Data
Viscosity: 515 SUS @ 100 F (Liquid) Specific Gravity (H2O=1): .91 @ 60 F. (Liquid)
VOC Content(%): Aprox. 25% Decomposition Temperature: No Data

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE.
Conditions to Avoid: Keep away from heat, sparks and flame. Avoid any source of ignition. Temperature over 120°f.
Materials to Avoid: Contact with oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide.
Hazardous Polymerization: WILL NOT OCCUR

11. TOXICOLOGICAL INFORMATION

Toxicological Data:

Ingredient/CAS No.	wt. %	Route	Species	Dose
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	60-90	NA	NA	Not known.
Propane 74-98-6	5-20	NA	NA	Not known.
Butane 106-97-8	0-15	Inhalation	Rats	LC50 658 gm/m ³ /4H

Carcinogenicity:

Ingredient/CAS No.	wt. %	IARC	NTP	OSHA
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	60-90	Not Listed	Not Listed	Not Listed
Propane 74-98-6	5-20	Not Listed	Not Listed	Not Listed
Butane 106-97-8	0-15	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product.

13. DISPOSAL CONSIDERATION

Waste Classification: Not determined.

Waste Management: Not determined.

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Disposal should be made in accordance with federal, state and local regulations.

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: Aerosols, Limited Quantity
Hazard Class: 2.0
Hazard Subclass: Not determined.
UN No.: UN 1950
Packing Group: Not determined.
Marine Pollutant: No

15. REGULATORY INFORMATION

US Federal Regulations:

Ingredient/CAS No.	wt. %	SARA 313	SARA 302	RQ	TPQ
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	60-90	Not Listed	Not Listed	NA	NA
Propane 74-98-6	5-20	Not Listed	Not Listed	NA	NA
Butane 106-97-8	0-15	Not Listed	Not Listed	NA	NA

SARA 311/312 Hazard Categories: Not Determined.

State Regulations:

Ingredient/CAS No.	wt. %	California Prop. 65 Cancer list	California Prop. 65 Developmental Toxicity	California Prop. 65 Reproductive Female	California Prop. 65 Reproductive Male
Heavy Hydrotreated Naphthenic Distillates (petroleum) 64742-52-5	60-90	Not Listed	Not Listed	Not Listed	Not Listed
Propane 74-98-6	5-20	Not Listed	Not Listed	Not Listed	Not Listed
Butane 106-97-8	0-15	Not Listed	Not Listed	Not Listed	Not Listed

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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