



MATERIAL SAFETY DATA SHEET

Caliber Heavy Duty Motor Oil 10W

1. Production Information

In case of Emergency: Canutec: 613-996-6666
Premium Canada: 250-766-2252

Manufacturer: Newalta Corporation
130 Forester Street
North Vancouver, BC V7H 2M9

Supplier: Premium Canada
214 – 3121 Hill Road
Winfield, BC V4V 1G1

Product Name: Caliber Heavy Duty Motor Oil 10W
Synonyms: Series III Hydraulic Oil
Product Use: Diesel engine & hydraulic system lubricant
Chemical Family: Petroleum Hydrocarbon
WHMIS Controlled: No

2. Hazardous Ingredients

Hazardous Components	% Volume	Exposure Guideline
Zinc Alkyl Dithiophosphate CAS# 68649-42-3	<1	Not established

Other Components: Mineral Oil & Proprietary Additives
Product code: No Data

3. Physical Data

Physical state: Liquid
Appearance: Clear light amber
Specific gravity: 0.872 @ 15.6°C
Vapor pressure: No data
Vapor density (air = 1): Heavier than air
Boiling point: Over 300°C
Pour point: Below -36°C
Miscible with water: Immiscible
Evaporation Rate: Negligible
Viscosity: 6.6 cSt @ 100°C
Stability: Stable under normal conditions

4. Fire or Explosion

Flammability: This material will burn but not readily ignite
Flash point: 175°C (min.)
Auto-ignition temperature: No data
Flammable limits: No data
Fire extinguishing agents: Dry chemical, foam, water spray (fog). Use water spray to cool exposed surfaces and containers.
Special firefighting procedures: OIL FLOATS ON WATER. Do not use direct or heavy water stream to fight fire. Use organic vapor respirator or self contained breathing apparatus to fight fire.
Hazardous combustion products: Fumes, smoke, may form oxides of carbon, sulfur, phosphorus, nitrogen.
Sensitivity to impact: None
Sensitivity to static discharge: None

5. Reactivity Data

Reactivity: Chemically stable. Avoid excessive heat, formation of vapors or mists.
Incompatibility: Strong oxidizing agents
Hazardous Decomposition Products: Incomplete combustion will produce carbon monoxide.
Hazardous Polymerization: Will not occur

6. Toxicological Properties

Ingestion: Oral LD50 – more than 5g/kg (based on data from components or similar materials)
Oil mist BCWCB – OHSR 8 hour EL: 1mg/m³
Oil mist ACGIH TLV: 5mg/m³
Eye: Contact may cause mild eye irritation including stinging, watering and redness.
Skin: Contact may cause mild skin irritation including redness, and a burning sensation. Prolonged or repeated contact can worsen irritation by causing drying and cracking of the skin leading to dermatitis (inflammation).
Environment protection: Prevent material from entering waterways, drains and sewers

7. Preventative Measures

Ventilation: Use in well-ventilated area with local exhaust ventilation.
Respiratory: None in normal use; follow proper procedures if entering a confined space.
Skin: Wear appropriate chemically protective gloves and shoes. Wear appropriate clothing to prevent contact with skin. As a minimum longsleeves and trousers should be worn.
Eyes: Use of approved eye protection (i.e., safety glassed, goggles and/or face-shield) should be determined based on conditions of use, to safeguard against potential eye contact, irritation or injury.
Leak or spill: Prevent entry into waterways and sewers. Stop leak or release if safe to do so. Eliminate sources of ignition and provide ventilation if appropriate. Recover free liquid by pumping or use absorbent material to facilitate clean up. Use waste disposal service as necessary to comply with local regulations. Follow prescribed procedures for reporting and responding to large spills.
Waste disposal: Dispense in accordance with applicable federal, provincial and local regulations.
Storage and handling: Keep containers sealed until ready for use, store in well-ventilated area. Metal containers should be electrically grounded prior to pumping or transferring liquid. Handle empty containers with care. Do not weld, drill, heat or pressurize due to risk of explosive rupture or ignition. Empty drums should be drained, bunged and promptly returned to supplier or drum recycling facility.

8. First Aid Measures

- Ingestion:** No special treatment required for small quantities ingested. DO NOT INDUCE VOMITING due to risk of aspiration. If vomiting occurs spontaneously, keep victim's head below his/her hips to prevent aspiration. If ingestion of large quantities is suspected or symptoms develop seek medical attention.
- Eye:** Flush with large quantities of cool water. Remove contact lenses if worn. If irritation persists seek medical attention.
- Skin:** Remove all contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. Ensure contaminated clothing is washed before re-use or discard. If irritation develops and persists seek medical attention.
- Inhaled:** Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a facemask if breathing is difficult. If irritation persists seek medical attention.
- Aspiration:** If aspiration into the lungs is suspected (e.g. during vomiting), seek medical advice urgently.

9. Preparation Information

Prepared by: Technical Services Department
Preparation Date: February 10, 2004