



# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

**Product Name:** Cobra 2 Stroke  
**Product Class:** Ashless 2 stroke engine oil  
**WHMIS Classification:** Class D2B – Other toxic effects – skin irritant  
 Class B3 – Combustible liquid  
  
**Supplier Name and Address:** Coastal Packaging Inc.  
 P.O. Box 993  
 Saint John, N.B.  
 E2L 4E3  
  
**Phone:** (506) 633-3732  
**Emergency:** (506) 648-3060

## SECTION 2 - HAZARDOUS INGREDIENTS OF MATERIALS

Hazardous Ingredients	CAS#	wt%	ACGIH-TLV	LC <sub>50</sub>	LD <sub>50</sub>
Petroleum solvent	64742-88-7	20-30%	100 ppm, 525 mg/m <sup>3</sup>	Rat inhalation > 13100 mg/m <sup>3</sup> 4 hours	Oral: > 8 mg/kg (Rat) Skin: > 4.0 ml/kg

## SECTION 3 - PHYSICAL DATA AND CHEMICAL PROPERTIES

**Form:** Liquid.  
**Colour:** Dark Blue-Green.  
**Odour:** Petroleum  
**Specific Gravity @ 15°C:** .86  
**Solubility in Water:** Insoluble  
**Volatile content (%vol):**

## SECTION 4 - FIRE AND EXPLOSION HAZARD

**Flammability:**  Yes  No  
**Flash Point :** 106°C (223F) (COC)  
**Conditions:** Open flame above flash point.  
  
**Upper Flammable Limit:** Not determined  
**Auto Ignition Temperature:** Not available  
**Sensitivity to Impact:** Not established.  
  
**Lower Flammable Limit:** Not determined  
**TDG Flammability Classification:** Not classified.  
**Sensitivity to Static Discharge:** None  
  
**Means of Extinction:** Water, fog, Carbon dioxide, dry chemical, or foam.  
**Hazardous Combustion Products:** Carbon monoxide and carbon dioxide.  
**Special Procedures:** Wear self-contained breathing apparatus when fighting fire. Use water to cool fire-exposed containers. Combustible – exclude air. Product will float and can be re-ignited on surface of water.

## SECTION 5 - REACTIVITY DATA

**Stability:** This product is stable.  
**Hazardous Polymerisation:** Will not occur.  
**Conditions to avoid:** Excessive heat or open flame  
**Incompatibility with other substances:** Strong oxidising agents.  
**Hazardous decomposition products:** Thermal decomposition from high temperature or combustible will produce hydrogen sulphide and oxides of carbon, nitrogen, and sulphur.

## SECTION 6 - TOXICOLOGICAL PROPERTIES

**Route of Entry:**  Eye  Skin Contact  Skin Absorption  Inhalation  Ingestion  
  
**Effects of Acute Exposure:** May cause irritation to skin and eyes. Prolonged exposure or excessive inhalation of vapours may cause headache, nausea, vomiting, dizziness and central nervous system depression. In rare cases may sensitise heart muscles causing heart arrhythmia.  
**Effects of Chronic Exposure:** Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in irritation and dermatitis.  
  
**Exposure Limits:** 5 mg/m<sup>3</sup>  
**Reproductive Toxicity:** Not determined.  
**Irritancy of Product:** Irritation to eyes and skin may occur.  
  
**Carcinogenicity:** Not determined.  
**Teratogenicity:** Not determined.  
**Mutagenicity:** Not determined.

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### SECTION 7 - PREVENTATIVE AND CORRECTIVE MEASURES

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<b>Personal Protective Equipment:</b>	<i>Gloves:</i>	Impervious (viton, nitrile) should be worn when handling this material.
	<i>Eye:</i>	Chemical safety glasses or full-face shield.
	<i>Respiratory:</i>	NOISH respirator if mist levels are above exposure limits.
	<i>Footwear:</i>	Oil chemical resistant
	<i>Clothing:</i>	No special requirements under normal conditions. Wear chemical resistant pants and jacket if in risk of skin exposure.
	<i>Other:</i>	
<b>Engineering Controls:</b>		Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion proof.
<b>Leak and Spill Procedure:</b>		Eliminate all sources of ignition, ground handling equipment. Avoid direct contact with material. Prevent spill from entering sewers or water sources. Contain and absorb with sand or inert material. Remove and dispose of contaminated materials.
<b>Waste Disposal:</b>		Consult local authorities.
<b>Storage Requirements</b>		Keep containers closed.
<b>Special Shipping Information:</b>		None.

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### SECTION 8 - FIRST AID MEASURES

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<b>Inhalation:</b>	Remove to fresh air or give artificial respiration. If breathing is difficult, give oxygen and seek medical attention.
<b>Ingestion:</b>	DO NOT INDUCE vomiting, seek medical attention. Guard against aspiration into lungs by having the individual turn on their left side. If spontaneous vomiting occurs keep head below hips to prevent aspiration of liquid into lungs.
<b>Eye:</b>	Flush with water for 15 minutes.
<b>Skin:</b>	Wash contaminated area with soap and water. Clean contaminated clothing before wearing again.
<b>General Advice:</b>	Note to physician: The main hazard following accidental ingestion is aspiration of the liquid into the lungs producing chemical pneumonitis. Cardiac arrhythmias have been reported with solvent exposure. If more than 2.0 ml/kg has been ingested, vomiting should be induced with supervision. If the symptoms such as loss of gag reflex, convulsions or unconsciousness occur before vomiting, gastric lavage with a cuffed endotracheal tube should be considered.

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### SECTION 9 - PREPARATION DATE OF MSDS

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<b>MSDS Prepared by:</b>	Coastal Packaging Inc.	<b>Phone:</b>	(506) 633-3732
<b>MSDS Date:</b>	January 12, 2010		
<b>Revision</b>	01		

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