



# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

**Product Name:** 2 Cycle +  
**Product Class:** Ashless two stroke engine oil/lubricant.  
**WHMIS Classification:** Class B3 Combustible Liquid  
Class D2B Other toxic effects - Skin Irritant

**Supplier Name and Address:** COASTAL Blending & Packaging  
PO Box 1169  
Saint John, N.B.  
E2L 4E6

**Phone:** 1800-574-5823  
**Emergency:** (506) 648-3060

## SECTION 2 - HAZARDOUS INGREDIENTS OF MATERIALS

<u>Hazardous Ingredients</u>	<u>CAS#</u>	<u>wt%</u>	<u>ACGIH-TLV</u>	<u>LC<sub>50</sub></u>	<u>LD<sub>50</sub></u>
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	Rat: Oral > 8.0 ml/kg Dermal > 4.0 ml/kg

## SECTION 3 - PHYSICAL DATA AND CHEMICAL PROPERTIES

**Form:** Liquid  
**Colour:** Dark Blue-Green  
**Odour:** Petroleum  
**Specific Gravity @ 15°C(60°F)** 0.86  
**Solubility in Water:** Insoluble  
**Boiling Point (°C) (F) :** > 284 > 544

## SECTION 4 - FIRE AND EXPLOSION HAZARD

**Flammability:**  Yes  No  
**Flash Point :** 106°C (223°F) (COC)  
**Conditions:** Open flame or other sources of ignition.

<b>Upper Flammable Limit:</b>	Not determined.	<b>Lower Flammable Limit:</b>	Not determined.
<b>Auto Ignition Temperature:</b>	Not available.	<b>TDG Flammability Classification:</b>	Not classified.
<b>Sensitivity to Impact:</b>	None.	<b>Sensitivity to Static Discharge:</b>	None.

**Means of Extinction:** Water fog, Carbon dioxide, dry chemical, 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 combustion 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 muscle 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.

<b>Exposure Limits:</b>	5 mg/m <sup>3</sup>	<b>Carcinogenicity:</b>	Not established.
<b>Reproductive Toxicity:</b>	Not established.	<b>Teratogenicity:</b>	Not established.
<b>Irritancy of Product:</b>	Skin and eye irritant.	<b>Mutagenicity:</b>	Not established.

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## SECTION 7 - PREVENTATIVE AND CORRECTIVE MEASURES

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**Personal Protective Equipment:**

<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>	An approved respirator is advised, if exposed to levels greater than the exposure limit. Use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapours. Proper equipment for high concentrations includes an atmosphere supplied, positive pressure demand, self-contained or airline breathing apparatus.
<i>Footwear:</i>	Oil/Chemical resistant.
<i>Clothing:</i>	In confined spaces where risk of skin exposure is much higher, impervious clothing should be worn.
<i>Other:</i>	

**Engineering Controls:** Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion-proof.

**Leak and Spill Procedure:** Eliminate all sources of ignition, ground handling equipment. Avoid direct contact with material. Prevent spill from entering sewers or water courses. Contain and absorb with sand or inert material. Remove and dispose of contaminated materials.

**Waste Disposal:** Consult local authorities.

**Storage Requirements:** Keep container closed, in a cool, dry area.

**Special Shipping Information:**

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## SECTION 8 - FIRST AID MEASURES

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**Inhalation:** If affected, remove to fresh air immediately. If breathing has stopped administer artificial respiration, seek medical attention.

**Ingestion:** Do not induce vomiting, seek medical attention. Guard against aspiration into lungs by having the individual turn on to their left side. If spontaneous vomiting occurs keep head below hips to prevent aspiration of liquid into lungs.

**Eye:** Flush with water for 15 minutes, seek medical attention.

**Skin:** Clean area exposed with soap and water. Remove contaminated clothing. If irritation occurs, seek medical attention.

**General Advice:** Notes 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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**MSDS Prepared by:** COASTAL Blending & Packaging      **Phone:** 800-574-5823  
**MSDS Date:** Jan 11,2010  
**Revision** 02

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