



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

Product Name: Marine LCX 7050
Product Class: Multipurpose Marine Engine Oil
WHMIS Classification: Class D2B - Toxic Material

COASTAL Blending & packaging
PO Box 1169
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SECTION 2 - HAZARDOUS INGREDIENTS OF MATERIALS

<u>Hazardous Ingredients</u>	<u>CAS#</u>	<u>wt%</u>	<u>ACGIH-TLV</u>	<u>LC₅₀</u>	<u>LD₅₀</u>
Calcium petroleum sulphonate	61789-86-4	10-30%	5 mg/m ³ (oil mist)		Oral: > 20 g/kg (rat)

SECTION 3 - PHYSICAL DATA AND CHEMICAL PROPERTIES

Form: Liquid
Colour: Dark Brown
Odour: Mild Petroleum
Specific Gravity @ 15°C: 0.93
Solubility in water: Negligible
Boiling Point (°C): > 260

Viscosity @ 100°C: 19.0 cSt

SECTION 4 - FIRE AND EXPLOSION HAZARD

Flammability: Yes No
Flash Point : > 250°C (COC)
Conditions: Open flame above flash point.

Upper Flammable Limit: Not established.
Auto Ignition Temperature: Not determined.
Sensitivity to Impact: None.

Lower Flammable Limit: Not established.
TDG Flammability Classification: Not classified.
Sensitivity to Static Discharge: None.

Means of Extinction: Dry chemical, water spray (fog), foam or carbon dioxide.
Hazardous Combustion Products: Oxides of carbon, sulphur and nitrogen, smoke/fumes.
Special Procedures: Water foam may cause frothing. Use water to cool exposed containers. Use self-contained breathing apparatus for fire fighting.

SECTION 5 - REACTIVITY DATA

Stability: This product is stable.
Hazardous Polymerisation: Will not occur.
Conditions to avoid: Extremely high temperatures.
Incompatibility with other substances: Strong oxidising agents.
Hazardous decomposition products: Thermal decomposition from high temperature or combustion will produce oxides of carbon, sulphur and nitrogen, smoke/fumes.

SECTION 6 - TOXICOLOGICAL PROPERTIES

Route of Entry: Eye Skin Contact Skin Absorption Inhalation Ingestion

Effects of Acute Exposure: Irritation to skin and eyes. Inhalation of hot oil mist or vapours may irritate the upper respiratory tract.
Effects of Chronic Exposure: Repeated or prolonged exposure may cause dermatitis and/or oil acne. Long-term intensive exposure to oil mist may cause benign lung fibrosis. No specific toxicity data but extrapolation from similar materials indicates that this product has low oral toxicity.

Exposure Limits: 5 mg/m³ (oil mist)
Reproductive Toxicity: Not determined.
Irritancy of Product: Slight.

Carcinogenicity: Not determined.
Teratogenicity: Not determined.
Mutagenicity: Not determined.

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SECTION 7 - PREVENTATIVE AND CORRECTIVE MEASURES

Personal Protective Equipment:	<i>Gloves:</i> Oil/Chemical resistant. <i>Eye:</i> Chemical safety glasses or full face shield. <i>Respiratory:</i> NOISH respirator if mist levels are high. <i>Footwear:</i> Oil/Chemical resistant. <i>Clothing:</i> Oil/Chemical resistant if repeated exposure to skin and clothing occurs. <i>Other:</i>
Engineering Controls:	Local exhaust at source of heated vapours.
Leak and Spill Procedure:	Contain spills with dikes or absorbent material. Eliminate fire hazards. Prevent from entering sewers or water courses. Vacuum liquid or transfer absorbed material into containers. Advise authorities.
Waste Disposal:	Follow local and governmental regulations. Not regulated as a hazardous waste.
Storage Requirements	Cool, dry location. Keep containers closed.
Special Shipping Information:	No special requirements.

SECTION 8 - FIRST AID MEASURES

Inhalation:	Remove to fresh air or give artificial respiration. If breathing is difficult, give oxygen and seek medical attention.
Ingestion:	Do not induce vomiting, give two glasses of water and seek medical attention.
Eye:	Flush with water for 15 minutes.
Skin:	Wash contaminated area with soap and water. Clean contaminated clothing before wearing again.
General Advice:	High pressure injection under skin can be serious and requires urgent medical attention.

SECTION 9 - PREPARATION DATE OF MSDS

MSDS Prepared by:	COASTAL Blending & Packaging	Phone:	(800) 574-5823
MSDS Date:	January 11, 2010		
Revision	02		

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