

## SECTION 1: IDENTIFICATION

<b>Product trade name</b>	LAUNCHER Premium Semi Synthetic Motor Oil
<b>Company Identification</b>	LAUNCHER AUTOMOTIVE (13893031 Canada Inc.) 55 Village Centre Pl, Suite 200, Mississauga, ON L4Z 1V9, Canada
<b>Phone</b>	+1 (905)804-1137
<b>Email</b>	info@launcherautomotive.com
<b>Chemical family</b>	Petroleum Lubricating Oil

## SECTION 2: Hazard Identification

<b>Eyes</b>	Contact with eyes may cause minimal irritation, but practically non-irritating.
<b>Skin contact</b>	Avoid skin contact. This product is slightly irritating. Repeated or prolonged contact with the skin could cause redness, itching, inflammation or cracking. Symptoms may include discolouration, swelling or a feeling of heat. Secondary infection. Avoid prolonged and/or repeated skin contact with used motor oils.
<b>Inhalation</b>	Low toxicity. If less than one ounce is ingested, material may pass through the system without harm. On ingestion of large quantities, slight GI discomfort, diarrhea and headaches may occur.
<b>Ingestion</b>	Low risk at ambient temperature. Prolonged breathing of vapour can cause headache, dizziness, nausea, respiratory irritation or chemical pneumonitis
<b>Medical conditions aggravated by exposure</b>	Pre-existing dermatitis may be aggravated.

## SECTION 3: COMPOSITION OF INGREDIENTS

Components	CAS number	Approximate Percentage Composition	Exposure limit
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil-unspecified	72623-86-0	70 - 90	5mg/m3 Mist
Performance Additives	Mixture	10 to 20	5mg/m3 Mist
Pour Depressant	Mixture	0.5 to 1.0	5mg/m3 Mist

<b>Composition comments:</b>	*CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret. US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.
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## SECTION 4: FIRST-AID MEASURES

<b>Eye Contact</b>	Immediately flush eyes with large amounts of water and continue flushing until irritation Subsides. If material is hot, treat for thermal burns and seek immediate medical attention.
<b>Skin contact</b>	No treatment is necessary under ordinary circumstances. Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs and persists, seek medical attention. If material is hot, submerge injured area in cold water. If victim is severely burned, remove to a hospital immediately.
<b>Inhalation</b>	This material has a low vapour pressure and is not expected to present an inhalation exposure at ambient conditions.
<b>Ingestion</b>	No treatment is necessary under ordinary circumstances. Do not induce vomiting. If victim Exhibits signs of lung aspiration such as coughing or choking, seek immediate medical assistance.
<b>Notes to physician</b>	In case of skin injection, prompt debridement of the wound may be necessary to minimize necrosis and tissue loss.

## SECTION 5: FIREFIGHTING MEASURES

<b>Fire classification</b>	OSHA classification (29 CFR 1910.1200). Not classified by OSHA as flammable or combustible.	
<b>Flash point</b>	>200°C	
<b>Flammable limits</b>	Upper percent: N/A	Lower percent: N/A
<b>Auto ignition temperature</b>	No Data Available	
<b>Extinguishing media</b>	Use water fog, foam, dry chemical or carbon dioxide to extinguish flame.	

## PROTECTION OF FIRE FIGHTERS

<b>Instructions</b>	This material will although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contaminated breathing apparatus.
<b>combustion Product</b>	Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids and gases including Carbon Combustion products monoxide, carbon dioxide and unidentified organic compounds will be evolved when this materials undergoes combustion. Combustion may from oxides of: Calcium, Sulphur, Zinc, Boron, Molybdenum, and Nitrogen.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep out of low areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the MSDS.
<b>Environmental precautions</b>	If the product contaminates rivers and lakes or drains inform respective authorities.
<b>Methods and materials for containment and cleaning up</b>	<p>Stop the flow of material, if this is without risk.</p> <p><b>Large Spills:</b> Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.</p> <p><b>Small Spills:</b> Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the MSDS.</p>

## SECTION 7: HANDLING AND STORAGE

<b>Precautions for safe Handling</b>	Use good industrial hygiene practices in handling this material. Avoid contact with eyes, skin and clothing. Do not handle until all safety precautions have been read and understood. Avoid prolonged exposure.
<b>Conditions for safe storage including any incompatibilities</b>	Store in original tightly closed container. Keep away from heat, open flames or other sources of ignition. Store away from incompatible materials (see Section 10 of the MSDS). Keep out of reach of children.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure limit</b>	This product does not contain any components with OSHA or ACGIH exposure limits.
<b>Eye/face protection</b>	Eye protection is not required under conditions of normal use. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety goggles.
<b>Skin protection</b>	No skin protection is required for single, short duration exposures. For prolonged or repeated exposures, use impervious clothing (boots, gloves, aprons, etc.) over parts of the body subject to exposure. If handling hot material, use insulated protective clothing (boots, gloves, aprons, etc.). Launder soiled clothes. Properly dispose of contaminated leather articles including shoes, which cannot be decontaminated.
<b>Respiratory protection</b>	Respiratory protection is not required under conditions of normal use. If vapour or mist is generated when the material is heated or handled, use an organic vapour respirator with a dust and mist filter. All respirators must be NIOSH certified. Do not use compressed oxygen in hydrocarbon atmospheres.
<b>Personal hygiene</b>	Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking, or smoking. If vapour or mist is generated when the material is heated or handled, adequate ventilation in Accordance with good engineering practice must be provided to maintain concentrations below the specified exposure or flammable limits.
<b>Ventilation</b>	The OSHA permissible exposure limit (PEL) and ACGIH threshold limit value (TLV) for oil mist is 5mg/m <sup>3</sup> . Chronic Other exposures below 5mg/m <sup>3</sup> are without significant health risks. The ACGIH short-term exposure limit (STEL) for oil mist is 10mg/m <sup>3</sup> .

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear and bright
<b>Colour</b>	Amber
<b>Physical state</b>	Liquid
<b>Vapour density (air = 1)</b>	> 1
<b>Boiling point</b>	> 300 °C
<b>Melting point</b>	N/A
<b>Specific Gravity @15°C</b>	0.867 To 0.878 g/ml
<b>Viscosity @ 100°C</b>	10.4 To 17.9 CST
<b>Viscosity @ 40°C</b>	63 To 139.16 CST
<b>Solubility in water</b>	Insoluble

## SECTION 10: STABILITY AND REACTIVITY INFORMATION

<b>Chemical stability</b>	This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
<b>Conditions to avoid</b>	No Data Available.
<b>Incompatible materials to avoid</b>	May react with strong oxidizing agents, such as chlorates, nitrates.
<b>Hazardous polymerisation</b>	Hazardous polymerization will not occur.

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>Eye irritation</b>	The eye irritation hazard is based on evaluation of data for similar materials or product components.
<b>Skin irritation</b>	The skin irritation hazard is based on evaluation of data for similar materials or product components.
<b>Skin sensitization</b>	No product toxicology data available.
<b>Acute dermal toxicity</b>	The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.
<b>Acute oral toxicity</b>	The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.
<b>Inhalation toxicity</b>	The inhalation toxicity is based on evaluation of data for similar materials or product compnents.

**SECTION 12: ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	The toxicity of this material to aquatic organisms has not been evaluated. Consequently; this material should be kept out of sewage and drainage systems and all bodies of water.
<b>Environmental fate</b>	This material is not expected to be readily biodegradable.

**SECTION 13: DISPOSAL INFORMATION**

<b>Disposal methods</b>	The product should not be allowed to enter drains, water courses or the soil.
<b>Waste from residues</b>	Offer surplus and non-recyclable solutions to a licensed disposal company. Waste must be classified and labelled prior to recycling or disposal. Send to a licensed waste management company. Dispose of product residue in accordance with the instructions of the person responsible for waste disposal.

**SECTION 14: TRANSPORT INFORMATION**

<b>International Regulations</b>	
IATA-DGR	Not regulated as a dangerous good
IMDG-Code	Not regulated as a dangerous good
ADR/RID	Not regulated as a dangerous good
<b>National Regulations</b>	
TDG	Not regulated as a dangerous good

**SECTION 15: OTHER INFORMATION**

REFERENCES: Sources of information used in preparing this MSDS included one or more of the following: results from in house or supplier toxicology studies, CONCAWE Product Dossiers, publications from other trade associations such as the EU Hydrocarbon Solvents, REACH Consortium, U.S. HPV Program Robust Summaries, the EU IUCLID Data Base, U.S. NTP publications, and other sources, as appropriate.

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<b>Prepared by:</b>	LAUNCHER AUTOMOTIVE (13893031 Canada Inc.)	Phone: +1 (905)804-1137
<b>Further Information:</b>	Not Available	
<b>Other Information:</b>	For an updated MSDS, Please contact the supplier/manufacturer listed on the first page of the document.	

**KEEP OUT OF REACH OF CHILDREN**

**REVISION STATEMENT**

This revision corrects the product name .Other changes have been made throughout this Material Safety Data Sheet. Please read the entire documents.

**DISCLAIMER OF WARRANTY**

The above information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, Launcher's Products must rely upon the hazard evaluation of such components submitted by that product's manufacturer or importer. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information, the results to be obtained from the use thereof, or that any such use do not infringe any patent. Since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.