

**Manufactured by:****Thermal-Lube Inc.**

255 ave Labrosse, Pointe-Claire, Quebec H9R 1A3

Tel: 1-800-567-5823 Fax: 514-694-8628 email: info@thermal-lube.com

**Section 1 Chemical Product and Company Information****Product Identification:** XL-0831 – POLYON synthetic motor oil**Supplier Identification:** See "Manufactured by"**Validation date:** July 25<sup>th</sup>, 2011**Product Uses:** Lubricating Oil**WHMIS Product Classification (Canada) :** Controlled – D2B**OSHA/HCS product Classification:** Not Hazardous**Section 2 Composition / Information on Ingredients**

<b>Ingredient</b>	<b>% weight</b>	<b>CAS number</b>	<b>LD<sub>50</sub>/LC<sub>50</sub></b>	<b>Exposure</b>
Zinc alkyldithiophosphate	1-5	68649-42-3	LD50 (oral): >5000mg/kg	TLV5mg/m <sup>3</sup>

**Section 3 Hazard Identification****Emergency Overview:****Potential Health Effects:****Eyes** Could be irritating to the eyes**Skin** Slightly irritating to the skin**Inhalation** No known symptoms upon inhalation**Ingestion** No known symptoms upon ingestion**Acute Health Effects:** The product could potentially irritate the eyes and skin**Chronic Health Effects:** A repeated and prolonged exposure could provoke a chronic skin / eye irritation

## Section 4 First Aid Measures

### Routes of Entry:

- Skin Contact:** Wash skin with plenty of soap and water immediately. Remove soiled clothing before washing and re-wearing them. Seek medical advice if an irritation persists
- Eye Contact:** Rinse eyes with running / plenty of water for minimum 15 minutes. Seek medical advice if an irritation develops or persists
- Inhalation:** Remove person to fresh air and ensure proper ventilation. Apply oxygen or give artificial respiration if person has difficulty breathing or stops breathing. Seek medical advice immediately
- Ingestion:** Do not induce vomiting, unless otherwise specified from medical personnel. Seek medical advice immediately

**Protection of First-Aiders:** None

**Notes to Physician:** Treat the symptoms

## Section 5 Fire-Fighting Measures

**Flammability of product:** Could be combustible at high temperatures

**Flash point (°C):** 280

**Auto-ignition Temp. (°C):** Not available

**Extinguishing media:** Carbon dioxide, dry chemical, foam

**Special firefighting procedures:** Only use water mist to cool the containers

**Hazardous Products of Combustion:** Carbon oxides (COx), smoke and irritating vapours

**Unusual Fire and Explosion Hazards:** Stable at room temperature and pressure. During thermal decomposition, toxic fumes and gases are emitted (>250°C)

**Explosion Data:** No spontaneous ignition

## Section 6 Accidental Release Measures

**Spill Procedures:** Stop the spill / leak if possible without presenting a risk. Assure that ventilation is adequate. Evacuate the affected area and surroundings. Sweep / pump the product, ensuring that the spill is contained. Apply the absorbent material on the residue. Discarded product must be disposed of in accordance with the provincial / state and local environmental regulations. Never dispose the product in a drainage system that leads to the public sewer

**Personal Precautions:** Do not take any measures that might put personal safety at risk. Wear appropriate respiratory device, and appropriate personal protective equipment (see section 8)

Section 7 Handling and Storage	
<b>Handling Temperature:</b>	Not applicable
<b>Handling Procedures:</b>	Keep the product and its containers away from high heat and/or a possible source of ignition. Do not breathe the gas/vapours/aerosol/smoke from this product. Keep away from incompatible materials (See section 10)
<b>Storage Temperature:</b>	Ambient temperatures
<b>Storage Procedures:</b>	Keep the containers in a well ventilated area, and ensure that the container is tightly closed. Ensure it is far from incompatible materials (see section 10)

Section 8 Exposure Controls, Personal Protection, and Exposure Limits	
<b>Engineering Controls:</b>	No specific equipment required, except for general ventilation to control the potential exposure to the worker from molecules suspended in air
<b>Personal Protection:</b>	Must wear protective safety eyewear, long sleeves and pants, protective gloves, and safety boots. Use general ventilation to protect the respiratory tract if there are molecules suspended in the air
<b>Hygiene Measures:</b>	Must wash hands before eating, smoking, using the toilet, or before leaving the premises. Do not touch eyes or mouth after usage

Section 9 Physical and Chemical Properties	
<b>Physical State:</b>	Liquid
<b>Appearance:</b>	Clear and fluid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Petroleum type odour
<b>Freezing/Melting Point:</b>	Not available
<b>Boiling/Condensation Point:</b>	Not available
<b>Vapour Pressure:</b>	Not available
<b>Volatility:</b>	Not volatile
<b>Specific Gravity (g/ml):</b>	0.84-0.87
<b>Vapour Density:</b>	Not available
<b>Solubility in water:</b>	Not soluble
<b>Evaporation Rate:</b>	Not applicable
<b>Viscosity:</b>	Standard SAE Grades
<b>pH:</b>	Not applicable

Section 10 Stability and Reactivity	
<b>Conditions for Chemical Stability:</b>	Product is stable as long as it is kept away from incompatible substances
<b>Conditions for Thermal Stability:</b>	Product is stable as long as it is kept away from high temperatures
<b>Hazardous Polymerization:</b>	Will not occur
<b>Product Incompatibility:</b>	Avoid all strong oxidizing agents, strong acids and bases, halogens and halogenated compounds
<b>Hazardous decomposition products:</b>	Carbon oxides, aldehydes, calcium oxides, sulfur oxides and irritating smoke
<b>Corrosivity:</b>	None

Section 11 Toxicological Information	
<b>Irritancy:</b>	Not available
<b>Reproductive toxicity:</b>	Not available
<b>Carcinogenicity:</b>	Not available
<b>Mutagenicity:</b>	Components are suspected of mutagenic effects in laboratory animals, D2B
<b>Teratogenicity:</b>	Not available
<b>Effects of Acute Exposure:</b>	Skin contact could result in a coetaneous irritation and could result in a dermatitis with prolonged and repeated contact
<b>Effects of Chronic exposure:</b>	Not available

Section 12 Ecological Information	
<b>ENVIRONMENTAL FATE</b>	
<b>Atmosphere:</b>	Not available
<b>Water:</b>	Not available
<b>Soil:</b>	Not available
<b>Bioaccumulation Properties:</b>	Not available
<b>Products of Biodegradation:</b>	Not available

Section 13 Disposal Considerations	
<b>Treatment:</b>	Eliminate the surplus oil and the non-recyclable products by means of an authorized agency, in accordance with the laws and regulations of the region, nation and applicable local authorities
<b>Recycling Options:</b>	Option to reuse the empty containers after washing/rinsing them well, or for application with similar products

## Section 14 Transport Information

<b>In case of emergency:</b>	CANUTEC: 613-996-6666 Poison Control Centre: Consult local telephone directory for emergency numbers(s)
<b>Special Provisions:</b>	
<b>TGD Classification:</b>	Not regulated
<b>DOT classification:</b>	Not regulated
<b>Special Shipping Instructions:</b>	None

## Section 15 Regulatory Information

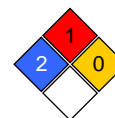
<b>WHMIS Classification:</b>	Controlled – D2B
<b>CPR Compliance:</b>	This product has been classified in accordance with the hazard criteria of the <i>Controlled Products Regulations</i> and the MSDS contains all the information required by the <i>Controlled Products Regulations</i> .
<b>CEPA Status (DSL):</b>	This product or all of its components are currently listed on the Domestic substances List (DSL), as described under the Canadian Environmental Protection Act (CEPA)
<b>TSCA Inventory Status:</b>	This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances
<b>Conformity to other Regions</b>	Available upon request

## Section 16 Other Information

### Hazardous Material Information System (USA):

Health	2
Flammability	1
Physical Hazards	0
Personal Protection	B

### National Fire Protection Association (USA):



<b>Precautionary Labels:</b>	WARNING
<b>List of References:</b>	Available upon request
<b>Date of Printing:</b>	July 27, 2011
<b>Prepared by:</b>	Orley Pinchuk
<b>Telephone:</b>	800.567.5823
<b>Date of Previous Issue:</b>	14 April 2008 (Josh Pinchuk)

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