



Material Safety Data Sheet

ENGINE MX-10

Section 1. Chemical Product and Company Identification

Common name	: Engine MX-10	Manufacturer	: LUBRI-LAB Inc. 1540, De Coulomb, Boucherville QC Canada J4B 8A3 Tel: +1-(450) 449-1626 Fax: +1-(450) 449-9174
Supplier	: Dr.DETROIT Inc. 1540, De Coulomb, Boucherville QC Canada J4B 8A3 Tel: (514) 237-7199 Fax: +1-(450) 449-9174		
Synonym	: Mineral oil.	Validation date	: 2014-11-29.
Trade Name	: MX-10	Print date	: 2014-11-29.
Material Uses	: Concentrated metal treatment for engines.	In case of emergency	: Canutec (613) 996-6666

Section 2. Composition, Information on Ingredients

Name	CAS #	% by weight	UN Number
Zinc Alkyldithiophosphate	68649-42-3	1-3	Not applicable.

This material is classified as not hazardous under OSHA regulations in the United States, the WHMIS in Canada, the NOM-018-STPS-2000 in Mexico and Brazil NBR 14725:2001.

See Section 8 for Exposure Limits.

See Section 11 for Toxicological Data.

See Section 14. for Transport Information.

Section 3. Hazards Identification

Physical State and Appearance	: Liquid.
Emergency Overview	: No specific hazard.

Routes of Entry : Absorbed through skin. Eye contact. Ingestion.

Potential Acute Health Effects

Eyes	: Slightly hazardous in case of eye contact (irritant).
Skin	: Slightly hazardous in case of skin contact (irritant). Non-sensitizer for skin.
Inhalation	: Not available.
Ingestion	: Not available.

Potential Chronic Health Effects : **CARCINOGENIC EFFECTS** Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
MUTAGENIC EFFECTS Not available.
TERATOGENIC EFFECTS Not available.

Medical Conditions Aggravated by Overexposure : Repeated or prolonged exposure is not known to aggravate medical condition.

Over-exposure signs/symptoms : Not available.

[See Toxicological Information \(Section 11\)](#)

Section 4. First Aid Measures

- Eye Contact** : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs
- Skin Contact** : In case of contact, immediately flush skin with plenty of water. Get medical attention. If high pressure forces the product under the skin get immediate medical attention.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- Ingestion** : Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- Notes to Physician** : No specific antidote. Medical staff must contact Poison Information Center.

Section 5. Fire Fighting Measures

- Flammability of the product** : Non-flammable in presence of heat .
- Auto-ignition Temperature** : Not available.
- Flash Points** : Open cup: 235°C (455°F) (Cleveland.). ASTM D92.
- Flammable limits** : Not available.
- Products of Combustion** : Not available.
- Fire hazards in presence of various substances** : Not available.
- Explosion hazards in presence of various substances** : Risks of explosion of the product in presence of mechanical impact: Not applicable.
Risks of explosion of the product in presence of static discharge: Not applicable.
- Fire Fighting Media and Instructions** : SMALL FIRE: Use dry chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
- Protective clothing (fire)** : Be sure to use an approved/certified respirator or equivalent.
- Special remarks on fire hazards** : Not available.

Section 6. Accidental Release Measures

- Small spill and leak** : Absorb with an inert material and place in an appropriate waste disposal container.
- Large Spill and Leak** : Absorb with an inert material and put the spilled material in an appropriate waste disposal. Dispose of according to all federal, state and local applicable regulations.

Section 7. Handling and Storage

- Handling** : After handling, always wash hands thoroughly with soap and water.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls, Personal Protection

- Engineering controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection

- Eyes** : Safety glasses.
- Body** : Not applicable.
- Respiratory** : Not applicable.
- Hands** : Impervious gloves.
- Feet** : Not applicable.

Protective Clothing (Pictograms) :



Personal Protection in Case of a Large Spill Exposure Limits : Safety glasses. Impervious gloves.

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Zinc Alkyldithiophosphate

ACGIH TLV (United States).

TWA: 5 mg/m³ 8 hour(s).[Consult local authorities for acceptable exposure limits.](#)

Section 9. Physical and Chemical Properties

Physical State and appearance	: Liquid.
Color	: Brown. (Light.)
Odor	: Petroleum.
Molecular Weight	: Not applicable.
Molecular Formula	: Not applicable.
pH (1% Soln/Water)	: Not applicable.
Boiling/condensation point	: Not available.
Pourpoint	: Not available.
Specific Gravity	: 0.888 (Water = 1). ASTM D1298.
Vapor pressure	: Not available.
Vapor density	: Not available.
Volatility	: Not available.
Odor threshold	: Not available.
Evaporation rate	: Not available.
VOC	: Not available.
Viscosity	: Kinematic (40C): 140 cSt. ASTM D445.
LogK _{ow}	: Not available.
Solubility	: Insoluble in cold water, hot water.

Section 10. Stability and Reactivity

Stability and Reactivity	: The product is stable.
Conditions of instability	: Not available.
Incompatibility with various substances	: Reactive with oxidizing agents.
Hazardous Decomposition Products	: Not available.
Hazardous Polymerization	: Will not occur.

Section 11. Toxicological Information

Toxicity data

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
No hazardous ingredient.				
Chronic effects on humans	: Not available.			
Other toxic effects on humans	: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant). Non-sensitizer for skin.			
Special remarks on toxicity to animals	: Not available.			
Special remarks on other toxic effects on humans	: Not available.			

Section 12. Ecological Information

Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
No hazardous ingredient.			
BOD and COD	: Not available.		
Biodegradable/OECD	: Not available.		
Mobility	: Not available.		

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Products of degradation : Not available.
 Toxicity of the products of biodegradation : Not available.
 Special remarks on the products of biodegradation : Not available.

Section 13. Disposal Considerations

Waste information : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Consult your local or regional authorities.

Section 14. Transport Information

Regulatory Information	UN Number	Proper Shipping Name	Class	Packing Group	Label	Additional Information
United States (DOT)	Not regulated.	-	-	-		-
Canada (TDG)	Not regulated.	-	-	-		-
Mexico (NOM-004-SCT2-1994)	Not regulated.	-	-	-		-
Brazil	Not regulated.	-	-	-		-
IMDG Code	Not regulated.	-	-	-		-
IATA-DGR Class	Not regulated.	-	-	-		-

NAERG : Not applicable.

Section 15. Regulatory Information

HCS Classification : Not controlled under the HCS (United States).

U.S. Federal Regulations : TSCA 8(b) inventory: All components listed.
 Clean Water Act (CWA) 307: No products were found.
 Clean Water Act (CWA) 311: No products were found.
 Clean air act (CAA) 112 accidental release prevention: No products were found.
 Clean air act (CAA) 112 regulated flammable substances: No products were found.
 Clean air act (CAA) 112 regulated toxic substances: No products were found.
 SARA 302/304/311/312 extremely hazardous substances: No products were found.
 SARA 302/304 emergency planning and notification: No products were found.
 SARA 302/304/311/312 hazardous chemicals: No products were found.
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

SARA 313

Form R - Reporting requirements : No products were found.

Supplier notification : No products were found.

State Regulations :
 California prop. 65: No products were found.

WHMIS (Canada) : Not controlled under WHMIS (Canada).
 CEPA DSL: All components listed.

This product has been classified in accordance with the hazard criteria of the Canadian CPR, the United States OSHA, the Mexican NOM -018-STPS-2000 and the Brazilian NBR 14725:2001. This MSDS contains all the information required by the CPR, OSHA, the American National Standard Institute (ANSI) Z400.1, NOM -018-STPS-2000 and NBR 14725:2001.

Classification of the Degree of Risk (Mexico)

Ingredient name
 Integral 7

Health

0

Flammability

0

Reactivity

0

Other

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International Lists : All components are listed on major international inventories or exempted from being listed in Australia (AICS), Europe (EINECS/ELINCS), Korea (TCCL), Japan (METI/MOL), Philippines (RA6969).

Section 16. Other Information

Hazardous Material Information System (U.S.A.)

Health	0
Fire hazard	0
Reactivity	0
Personal protection	C

National Fire Protection Association (U.S.A.)



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Responsible name : Kemika XXI Inc. +1-450-435-7475

Date of Printing : 2014-11-29.

Date of Issue : 2014-11-29.

Date of previous issue : Not applicable.

Version : 1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.