



## MATERIAL SAFETY DATA SHEET

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Engine Treatment XE098

**MANUFACTURER**

**LONG LUB-TEK CORPORATION**

330-12 Sec.1 Zhong Zheng Rd. Sanxia Dist., New Taipei City TAIWAN.

Phone No.: 886-2-26742566

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### 2. PRODUCT FORMULATION NAME

**Chemical Description:** Synthetic oil formulation

**General Use:** Lubricant for vehicle engine.

**Ingredient:**

Ingredient	CAS #	Weight Percent
Synthetic Base Oil	64742-88-7	45-50
Petroleum Base Oil	64742-65-0	30-35
Performance additive	Mixture	12-18
Non-Hazardous Ingredients	Mixture	<10

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### 3. HEALTH HAZARD/TOXICOLOGICAL INFORMATION

**Eye Contact:** Direct eye contact may cause eye irritation. This irritation is minimal and expected to be transient.

**Skin Contact:** This product has low skin irritation potential. There is no dermal toxicity hazard.

**Inhalation (Breathing):** No inhalation hazard expected with water vapor.

**Ingestion (Swallowing):** Based on ingredients, LD50 (rat) is estimated to be well over 50 g/kg.

**Carcinogenic Status:** This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC or OSHA, nor have any of its components.

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#### 4. FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** 250°C .

**Flammable Class:** Flammable

**Extinguishing media:** Carbon Dioxide, Foam, Dry chemical

**Special Fire-fighting Procedures:** Water may be used to cool containers exposed to heat.

**Unusual Fire Hazards:** Treat like petroleum fire.

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#### 5. HAZARDOUS INGREDIENTS

This product contains no reportable hazardous components under 29 CFR 1910.1200. There are no OSHA or ACGIH threshold limit values for the product or any of its ingredients.

All components are listed on the TSCA inventory.

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#### 6. HEALTH HAZARD DATA

Eye Irritation	(Rabbits)	Corrosive to the Eye
Skin Irritation	(Rabbits)	Non Primary Skin Irritant
DOT Skin Corrosion	(Rabbits)	Non-Corrosive: Non Primary Skin Irritant
Acute Dermal Toxicity	(Rabbits)	LD <sub>50</sub> >20.000mg/Kg
Acute Inhalation	(Rats)	LC <sub>50</sub> >18mg/l
Acute Oral Toxicity	(Rats)	LD <sub>50</sub> >5.000mg/Kg
Skin Sensitivity	(Guinea Pigs)	Buehler – Minimal contact sensitizer

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#### 7. EMERGENCY AND FIRST AID PROCEDURE

**EYES:** Wash eyes with clean flowing water for two or three minutes. Remove any contact lenses and continue flushing for 15 minutes. If irritation occurs or persists, get medical attention.

**SKIN:** Remove contaminated clothing including shoes and wash affected area with soap and water. Wash contaminated clothing and shoes before reuse.

**INGESTION:** Induce vomiting, wash out mouth with water and keep at rest. Seek immediate medical attention.

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## **8. SPILL OR LEAK PROCEDURE**

**Small Amounts:** Add oil adsorbent, shovel up and place in closed containers for disposal.

**Large Amounts:** Dike to container and pump into drums for use or disposal.

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## **9. DISPOSAL METHODS**

Not a hazardous waste under RCRA (40CFR 261). Dispose of in the manner prescribed in Federal, State and Local regulations.

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## **10. TYPICAL PHYSICAL AND CHEMICAL CHARACTERISTICS**

**Appearance:** Clear liquid

**Color:** Amber

**Odor:** Mild

**Specific Gravity :** 1.040

**Flash Point:** 250°C

**Decompose Temperature:** >300°C

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## **11. SPECIAL PROTECTION INFORMATION**

**Eye Protection:** Wear safety goggles.

**Protective Gloves:** Wear oil impervious gloves.

**Respiratory:** If misting occurs, use NIOSH approved respirator for oil mist  
Provide general, mechanical ventilation.

**Keep away from children, infants, and pets.**

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## **12. REACTIVITY DATA**

**Stability:** Stable

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Avoid heat, sparks, flames and other sources of ignition.

**Incompatibilities:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide.

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**Storage:** Store in a cool, well-ventilated area, away from incompatible materials.  
NFPA 30 Class III Liquid.

## 14. TRANSPORTATION INFORMATION

**IMDG Shipping Description: UN1268, Petroleum Distillates, n.o.s. 3, PG III**

## 15.OTHER INFORMATION

**Revision Date** 22.04.2009