

MATERIAL SAFETY DATA SHEET



Date Issued: 02/04/2010
 MSDS No: GL1910
 Date Revised: 04/30/2010
 Revision No: 8

Motor Oil Enhancer GL1910

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Motor Oil Enhancer GL1910
GENERAL USE: Automotive Aftermarket
PRODUCT DESCRIPTION: Additive Package for Motor Oils
PRODUCT CODE: GL1910

MANUFACTURER

QMI, an ITW company
 3606 Craftsman Blvd.
 Lakeland, FL 33803
Customer Service: 863-655-3338

24 HR. EMERGENCY TELEPHONE NUMBERS

Poison Control Center (Medical) : (877) 800-5553
CHEMTREC (US Transportation) : (800) 424-9300

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Red Liquid

POTENTIAL HEALTH EFFECTS

EYES: Causes Eye Irritation

INHALATION: Causes Respiratory Irritation

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Distillates (petroleum) Solvent Dewaxed Heavy Paraffins	25 - 75	64742-65-0	265-169-7
Zinc dialkyl dithiophosphate	0.25 - 1.25	68649-42-3	
Mineral Oil	10 - 25	64742-53-6	
Organomolybdenum Amide	0.1 - 5	Secret	
Calcium Long Chain Alkaryl Sulfonate	3 - 6	Secret	

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: If inhaled move to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

FLASH POINT AND METHOD: > 200°C Pensky-Martens Closed Cup

EXTINGUISHING MEDIA: Carbon dioxide, dry chemicals, foam, water fog.

FIRE FIGHTING PROCEDURES: Fire fighters should wear positive pressure self-contained breathing apparatus (scba) and full turnout gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition products may include the following materials: carbon oxides, nitrogen oxides, sulfur oxides, some metallic oxides. Hydrogen Sulfide.

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6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: For small spills, add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion proof means to transfer material to a sealable, appropriate container for disposal. Minimize contact of spilled materials and avoid runoff into storm sewers and ditches which lead to waterways.

LARGE SPILL: For large spills, block spilled materials or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Avoid contact of spilled material with soil and prevent runoff entering surface water.

GENERAL PROCEDURES: Immediately contact emergency personnel. Keep unnecessary people away. Use suitable protective equipment (section 8). Follow all fire-fighting procedures (section 5).

SPECIAL PROTECTIVE EQUIPMENT: Use suitable protective equipment (section 8).

7. HANDLING AND STORAGE

HANDLING: Avoid contact with eyes. Wash thoroughly after handling.

STORAGE: Keep container tightly closed. Keep container in a cool, well ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety goggles are considered a minimum protection. Goggles with a face shield may be necessary depending on quantity of material and conditions of use.

SKIN: Hand Protection: Wear chemical resistant gloves. Nitrile gloves of minimum thickness 0.4 mm have an expected breakthrough time of 480 minutes or less when in frequent contact with the product. Due to variable exposure conditions the user must consider the practical use of a chemical-protective glove in practice may be much shorter than the permeation time above. Manufacturer's directions for use, especially about the minimum thickness and the minimum breakthrough time, must be observed. This information does not replace suitability test by the end user since glove protection varies depending on the conditions under which the product is used.

RESPIRATORY: Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s).

PROTECTIVE CLOTHING: Disposable outer garments when there is the potential for contact with the material.

COMMENTS: The maximum permissible concentration of mineral oil mists in air of production area is 5mg/m³ and hydrocarbons 300 mg/m³ for a daily 8 hour shift.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Mild. Petroleum.

APPEARANCE: Liquid. [Viscous Liquid.]

COLOR: Red.

FLASH POINT AND METHOD: > 200°C Pensky-Martens Closed Cup

SOLUBILITY IN WATER: Insoluble in the following materials: cold water.

VISCOSITY: 138 cSt @ 40C



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10. STABILITY AND REACTIVITY

STABILITY: This product is stable.

CONDITIONS TO AVOID: High temperatures, sparks, and open flames.

INCOMPATIBLE MATERIALS: Strong oxidizing and reducing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)
Zinc dialkyl dithiophosphate	> 2000 mg/kg	> 2000 mg/kg

EYES: Irritating to eyes. Does not meet EU 641 or R36 classification criteria.

EYE EFFECTS: Irritating to eyes.

CARCINOGENICITY

Notes: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

REPEATED DOSE EFFECTS: Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

IRRITATION: Inhalation of oil mist or vapors at elevated temperatures may cause respiratory irritation.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not classified as dangerous for the environment according to EC criteria. Based on calculation.

CHEMICAL FATE INFORMATION: This product contains components which may be persistent in the environment.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Waste must be disposed of in accordance with federal, state and local environmental control agencies.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

OTHER SHIPPING INFORMATION: Contact QMI at 863-665-3338 to discuss specific transportation requirements.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Immediate (acute) health hazard, delayed (chronic) health hazard.

313 REPORTABLE INGREDIENTS: Zinc dialkyl dithiophosphate

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)



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CERCLA RQ: No products were found.

CALIFORNIA PROPOSITION 65: No products were found.

CANADA

WHMIS CLASS: Class D-2B. Material causing other toxic effects (toxic).

16. OTHER INFORMATION

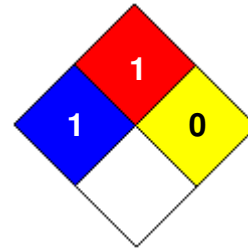
REASON FOR ISSUE: Original

REVISION SUMMARY: Revision #: 8. This MSDS replaces the April 09, 2010 MSDS.

HMIS RATING

HEALTH:	1
FLAMMABILITY:	1
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	C

NFPA CODES



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