

MATERIAL SAFETY DATA SHEET



Date Issued: 05/21/2010
MSDS No: GL1811

QMI Induction Cleaner

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: QMI Induction Cleaner
GENERAL USE: Automotive Aftermarket
PRODUCT DESCRIPTION: Induction Clean
PRODUCT CODE: GL1811

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) 800-5533
CHEMTEL : (813) 248-0585

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Green Liquid

IMMEDIATE CONCERNS: Caution! Flammable liquid and vapor. May affect the central nervous system causing dizziness, headache, and nausea. Causes eye irritation. May cause skin and respiratory tract irritation. Prolonged or repeated contact may dry skin and cause dermatitis and burns.

POTENTIAL HEALTH EFFECTS

EYES: Can cause severe eye irritation. Symptoms include stinging, tearing, redness, and swelling of the eyes. Can injure eye tissue.

SKIN: Can cause skin irritation. Symptoms include redness and burning of skin, and other skin damage. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, skin burns, and other skin damage.

SKIN ABSORPTION: May be harmful if absorbed through skin.

INGESTION: May be harmful or fatal if swallowed. Due to its low viscosity, it may enter lungs during swallowing or vomiting. Once in lungs serious damage may occur.

INHALATION: It is possible to breathe this material under certain conditions of handling and use. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE TOXICITY: Acute lethal exposure to ethylene glycol monobutyl ether in animal studies has resulted in congestion of organs including kidney, spleen, and lung. This material (or a component) has been shown to lower the activity of certain immune system cells in experimental animals. The significance of this effect with respect to human health is uncertain. Exposure to this material (or a component) has been found to cause kidney damage in male rats. The mechanism by which this toxicity occurs is specific to the male rat and the kidney effects are not expected to occur in humans. Studies with rabbits indicate that sustained, occluded skin contact with undiluted surfactant may result in the development of inflammatory changes in the lung. Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: mild reversible liver effects, mild reversible spleen effects, blood abnormalities, cardiac sensitization, kidney damage and effects on hearing.

CARCINOGENICITY: Based on available information, this material cannot be classified with regard to carcinogenicity. This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health

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Administration (OSHA). Ethylene glycol monobutyl ether has been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: This material (or a component) may be harmful to the human fetus based on positive test results with laboratory animals.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS	EINECS
Stoddard Solvent	1 - 50	8052-41-3	232-489-3
2- Butoxyethanol	1 - 50	111-76-2	
Petroleum Distillates	1 - 25	64742-55-8	
Surfactants	1 - 25	61791-25-2	
Nonylphenol (branched), Ethoxylated	0.1 - 5	127087-87-0	
1,2,4-trimethylbenzene	0.1 - 5	95-63-6	
Napthalene	0.1 - 5	91-20-3	
Ethyl Benzene	0.1 - 5	100-41-4	
Distillates (petroleum) Solvent Dewaxed Heavy Paraffins	1 - 25	64742-65-0	265-169-7

4. FIRST AID MEASURES

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

SKIN: Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged seek immediate medical attention. If skin is not damaged and symptoms persist seek medical attention. Launder clothing before reuse.

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.

NOTES TO PHYSICIAN: Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting. Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Repeated aspiration of small quantities of mineral oil can progress to pulmonary fibrosis. Symptoms are often subtle and radiological changes appear worse than clinical abnormalities. Occasionally, persistent cough, irritation of upper respiratory tract, shortness of breath with exertion, fever and bloody sputum occur. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.

5. FIRE FIGHTING MEASURES

FLASH POINT AND METHOD: 49°C (120°F) Pensky-Martens Closed Cup

FLAMMABLE CLASS: Flammable Liquid Class III

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

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HAZARDOUS COMBUSTION PRODUCTS: Aldehydes, carbon dioxide, carbon monoxide, hydrocarbons, ketones organic acids.

FIRE FIGHTING PROCEDURES: If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lamps, other flames and ignition sources at locations near the point of release. Wear full fire fighting gear (full Bunker gear) and respiratory protection (SCBA). Use water spray, dry chemical, or carbon dioxide to extinguish fire.

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.

GENERAL PROCEDURES: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SPECIAL PROTECTIVE EQUIPMENT: For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Ensure adequate ventilation. Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Pay attention to the spreading of gases especially at ground level (heavier than air) and to the direction of the wind.

COMMENTS: Comply with all applicable federal, state, and local regulations. Suppress (knock down) gases / vapors / mists with a water spray jet.

7. HANDLING AND STORAGE

HANDLING: Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

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

SHELF LIFE: One year

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Stoddard Solvent	TWA	100	525	100	525		
2- Butoxyethanol	TWA	50	240	20			
Petroleum Distillates	TWA	400	1,600	5	0.2	NL	NL
	STEL	NL	NL	10	NL	NL	NL
Surfactants	TWA	N/E		N/E			
1,2,4-trimethylbenzene	TWA	25	125	25	NL	NL	NL

ENGINEERING CONTROLS: Provide exhaust ventilation or other engineering controls to keep the

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airborne concentrations of vapors below their respective threshold limit value.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

SKIN: Wear normal work clothing including long pants, long sleeved shirts and foot covering to prevent direct contact of the product with skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use. Wear resistant gloves. Discard gloves that show tears, pinholes, or signs of wear.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid.

ODOR: Hydrocarbon

APPEARANCE: Green Liquid

COLOR: Green

FLASH POINT AND METHOD: 49°C (120°F) Pensky-Martens Closed Cup

VISCOSITY: 2.34 @ 40C

10. STABILITY AND REACTIVITY

STABILITY: This product is stable.

POLYMERIZATION: Product will not undergo hazardous polymerization.

CONDITIONS TO AVOID: Do not allow evaporation to dryness. Heat, flames and sparks.

HAZARDOUS DECOMPOSITION PRODUCTS: Aldehydes, carbon dioxide, carbon monoxide, hydrocarbons, ketons, organic acids, oxides of sulfur, nitrogen and phosphorus.

INCOMPATIBLE MATERIALS: Acids, alkalis, aluminum, ammonia, amines, bases, chlorates, chlorine, nitric acid, oxidizing agents, reducing agents, salts of strong bases, strong mineral acids.

11. TOXICOLOGICAL INFORMATION

ACUTE

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Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Stoddard Solvent	> 5 g/kg	> 3 g/kg	
Petroleum Distillates	> 5000 mg/kg	> 5000 mg/kg	
Surfactants	2780 mg/kg		
1,2,4-trimethylbenzene	6 g/kg		18 ppm, 4 h
Napthalene	490 mg/kg	> 2000 mg/kg	
Ethyl Benzene	3500 mg/kg	17800 mg/kg	4000 ppm, 4 h

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY (ACUTE): No data

CHEMICAL FATE INFORMATION: No data

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Place contaminated material in a disposable container and dispose off in a manner consistent with applicable regulations. Contact local environmental / health authorities for approved disposal.

COMMENTS: This material may present environmental risks common to oil spills. Contact your local oil spill response group and applicable government agencies if a spill occurs.

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)

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt. %	CAS
2- Butoxyethanol	1 - 50	111-76-2
1,2,4-trimethylbenzene	0.1 - 5	95-63-6
Napthalene	0.1 - 5	91-20-3
Ethyl Benzene	0.1 - 5	100-41-4

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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Chemical Name	CAS
Stoddard Solvent	8052-41-3

CALIFORNIA PROPOSITION 65

Chemical Name	Wt. %	Listed
Napthalene	0.1 - 5	Cancer
Ethyl Benzene	0.1 - 5	Cancer

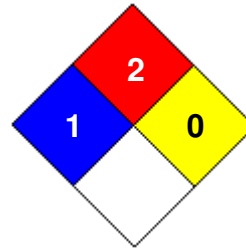
16. OTHER INFORMATION

REVISION SUMMARY: New MSDS

HMIS RATING

HEALTH:	1
FLAMMABILITY:	2
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	C

NFPA CODES



MANUFACTURER DISCLAIMER:

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