

## QMI Cooling System Cleaner

Revision date: 08/29/2011

**SECTION I MATERIAL IDENTIFICATION AND USE**

TRADE NAME : QMI COOLING SYSTEM CLEANER  
PRODUCT CODE : GL1540  
GENERAL USE : COOLING SYSTEM FLUSH  
WHMIS CLASS :  
TDG CLASSIFICATION : NOT REGULATED  
CHEMICAL FAMILY : MIXTURE  
MANUFACTURER'S NAME : QMI INC.  
ADDRESS : 3606 CRAFTSMAN BLVD.  
CITY : LAKELAND, FL. 33803  
EMERGENCY TELEPHONE : 800-255-3924 U.S 24 HR. OUTSIDE US: 813-248-0585

**SECTION II : INGREDIENT DATA**

INGREDIENTS	WT%	CAS #	SYMBOL	R PHRASE
SODIUM METASILICATE	0.50	6834-92-0	C	34, 37
PROPYLENE GLYCOL				
BUTYL ETHER	0.40	57018-52-7	Xi	10, 41

EEC LABEL SYMBOL AND CLASSIFICATION  
DIRECTIVE 67/548/EEC ANNEX 1 R 36 MAY BE EYE IRRITANT

**SECTION III : HAZARDS IDENTIFICATION**

EMERGENCY OVERVIEW: NON-VISCOUS FLUORESCENT YELLOW LIQUID IRRITATING TO EYES ON CONTACT  
INHALATION : NONE KNOWN  
EYE CONTACT : IRRITATION AND REDNESS  
SKIN CONTACT : IRRITATION, REDNESS AND DRYNESS  
INGESTION : IRRITATION AND NAUSEA  
CHRONIC : NONE KNOWN

**SECTION IV FIRST AID MEASURES**

EYES : RINSE WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION  
SKIN : WASH WITH SOAP AND WATER. RINSE THOROUGHLY  
INGESTION : DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION  
INHALATION : NONE KNOWN.

**SECTION V FIRE AND EXPLOSION HAZARD DATA**

FLAMMABLE : WILL NOT FLASH  
COMBUSTIBLE : NA  
LOWER EXPLOSIVE LIMIT (% VOL) COMPONENT : NOT APPLICABLE  
UPPER EXPLOSIVE LIMIT (% VOL) COMPONENT : NOT APPLICABLE  
EXTINGUISHING MEDIA : TREAT SURROUNDING FIRE CO2, DRY CHEMICAL, WATER SPRAY

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**SECTION VII SAFE STORAGE AND HANDLING**

STORAGE AND HANDLING : STORE IN COOL DRY AREA IN TIGHTLY CLOSED CONTAINER

STORAGE TEMPERATURE : &gt;35°F

HANDLING : TAKE MEASURES TO PREVENT EXCESSIVE OR PROLONGED SKIN CONTACT

**SECTION VIII EXPOSURE CONTROL/PERSONAL PROTECTION**

ENGINEERING

CONTROL : NOT NEEDED UNDER NORMAL CONDITIONS

PROTECTIVE HANDWEAR : NOT NEEDED UNDER NORMAL CONDITIONS HOWEVER USE RUBBER GLOVES FOR PROLONGED CONTACT.

PROTECTIVE EYEWEAR : SAFETY GOGGLE

OTHER PROTECTIVE CLOTHING : NOT NEEDED

RESPIRATORY APPARATUS : NOT NEEDED

LOCAL/ MECHANICAL EXHAUST : NOT NEEDED

**SECTION IX PHYSICAL DATA**

PHYSICAL STATE : LIQUID

APPEARANCE : NON-VISCOUS YELLOW LIQUID

SPECIFIC GRAVITY : 1.01 @ 70°F

VAPOR DENSITY (AIR =1) : NOT DETERMINED

BOILING POINT (°C) : 100°C

FLASH POINT (°C) TCC : DOES NOT FLASH

EXPLOSIVE : NO

WATER SOLUBILITY : COMPLETE

ODOR : BLAND

ODOR THRESHOLD : NA

EVAPORATION RATE: 0.1 (N-BUTYL ACETATE =1)

FREEZING POINT : NOT AVAILABLE

PH : 12.2 - 13.0

% VOLATILE :

OXIDIZER : NO

VISCOSITY : WATER THIN

**SECTION X STABILITY AND REACTIVITY DATA**

CHEMICAL STABILITY : STABLE

INCOMPATIBLE WITH OTHER SUBSTANCES : NON KNOWN

IF SO, WHICH ONES :

HAZARDOUS DECOMPOSITION PRODUCTS : NONE KNOWN

HAZARDOUS POLYMERIZATION : WILL NOT OCCUR

**SECTION XI TOXICOLOGICAL INFORMATION**

ACUTE ORAL TOXICITY ESTIMATE :

REPRODUCTIVE DATA : NO ADVERSE EFFECTS EXPECTED

MUTAGENICITY DATA : NO ADVERSE EFFECTS EXPECTED

SKIN SENSITIZATION : NONE EXPECTED OR KNOWN

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**SECTION XII ECOLOGICAL INFORMATION**

ECOTOXICOLOGY  
BIODEGRADABILITY

**SECTION XIII DISPOSAL CONSIDERATIONS**

CONSULT YOU FEDERAL, STATE, AND LOCAL AUTHORITY FOR DISPOSAL OPTIONS

**SECTION XIV TRANSPORTATION INFORMATION**

ADR CLASSIFICATION : NOT REGULATED  
DOT : NOT REGULATED  
TDG : NOT REGULATED  
ICAO/IATA: NOT REGULATED  
IMO/IMDG : NOT REGULATED

**SECTION XV REGULATORY INFORMATION**

EUROPEAN LABELING R PHRASE: CURRENTLY NOT CLASSIFIED BY EEC DIRECTIVES HOWEVER MAY BE EYE IRRITANT. S PHRASE : S1/2 KEEP AWAY FROM CHILDREN, S2425 AVOID SKIN AND EYE CONTACT.

US / CANADA

HMS RATING HEALTH : 1 FLAMMABILITY : 0 REACTIVITY : 0 PPE :  
WHMIS CLASS : NA DIVISION : NA (NOT REGULATED)

**SECTION XVI ADDITIONAL INFORMATION**

RISK PHRASES : FULL TEXT OF R-PHRASES LISTED IN THIS SAFETY DATA SHEET. THE LABELING IF THE PRODUCT IS INDICATED IN SECTION XV.

R34 CAUSES BURNS.

R36 IRRITATING TO EYES.

R10 FLAMMABLE.R41 RISK OF SERIOUS DAMAGE TO EYES.

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