

## QMI Cooling System Fortifier

Revision date: 08/29/2011

**SECTION I MATERIAL IDENTIFICATION AND USE**

TRADE NAME : QMI COOLING SYSTEM FORTIFIER  
PRODUCT CODE : GL1546  
GENERAL USE : COOLING SYSTEM FORTIFIER  
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 NITRITE	1.00%	7632-00-0	Xn	22
2-BUTOXYETHANOL	0.35%	112-34-5	Xi	36
SODIUM HYDROXIDE	0.04%	1310-73-2		36/38

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 CLEAR 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.

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**SECTION V****FIRE AND EXPLOSION HAZARD DATA**

FLAMMABLE : WILL NOT FLASH

COMBUSTIBLE : NA

LOWER EXPLOSIVE LIMIT (% VOL) COMPONENT : NOT  
APPLICABLEUPPER EXPLOSIVE LIMIT (% VOL) COMPONENT : NOT  
APPLICABLE

EXTINGUISHING MEDIA : TREAT SURROUNDING FIRE CO2, DRY CHEMICAL, WATER SPRAY

**SECTION VI****ACCIDENTAL RELEASE MEASURES**

LAND SPILL : AVOID RUNOFF INTO SEWERS OR DITCHES BY CONTAINMENT WITH SAND

WASTE DISPOSAL : IN ACCORDANCE WITH ALL LOCAL AND FEDERAL REGULATIONS

**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**

EMERGENCY OVERVIEW: NON-VISCOUS CLEAR LIQUID. IRRITATING TO EYES ON CONTACT

ODOR : BLAND

APPEARANCE : NON-VISCOUS CLEAR  
LIQUID

ODOR: BLAND

ODOR THRESHOLD: NA

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

SPECIFIC GRAVITY : 1.01 @ 70 °F  
VAPOR DENSITY (AIR =1) : NOT  
DETERMINED

FREEZING POINT : NOT AVAILBLE

BOILING POINT (°C) : 100 °C  
FLASH POINT (°C) TCC : DOES NOT  
FLASH

PH : 9.00 - 10.0

EXPLOSIVE : NO

% VOLATILE : 3.5 G/LITER

WATER SOLUBILITY : COMPLETE

OXIDIZER : NO

VISCOSITY : WATER THIN

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**SECTION X STABILITY AND REACTIVITY DATA**

CHEMICAL STABILITY : STABLE  
INCOMPATIBLE WITH OTHER SUBSTANCES : NONE KNOWN  
IF SO, WHICH ONES :  
HAZARDOUS DECOMPOSITION PRODUCTS : NONE KNOWN  
HAZARDOU POLYMERIZATION : WILL NOT OCCUR

**SECTION XI TOXICOLOGICAL INFORMATION**

ACCUTE ORAL TOXICITY ESTIMATE :  
REPRODUCTIVE DATA :NO ADVERSE EFFECTS EXPECTED  
MUTAGENICITY DATA : NO ADVERSE EFFECTS EXPECTED  
SKIN SENSITIZATION : NONE EXPECTED OR KNOWN

**SECTION XII ECOLOGICAL INFORMATION**

ECOTOXICOLOGY : HARMFUL TO FISH AND ALGAE UPON IMMEDIATE CONTACT  
BIODEGRADABILITY : NOT DETERMINED

**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**

EMERGENCY OVERVIEW: NON-VISCOUS CLEAR LIQUID. IRRITATING TO EYES ON CONTACT  
BE EYE IRRITANT. S PHRASE : S1/2 KEEP AWAY FROM CHILDREN, S2425 AVOID SKIN AND  
EYE CONTACT, S62 IF SWALLOWED, DO NOT INDUCE VOMITING:SEEK MEDICAL ATTENTION IMMEDIATELY  
AND SHOW THE CONTAINER OR LABEL.

US / CANADA

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

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**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.

R22 HARMFUL IF SWALLOWED,

R36 IRRITATING TO EYES.

R38 IRRITATING TO SKIN,

**THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS OBTAINED FROM THE USE THEREOF. VENDOR ASSUMES NO RESPONSIBILITY TO VENDEE OR THIRD PERSON PROXIMATELY CAUSED BY THE MATERIAL IF REASONABLE PROCEDURES ARE NOT ADHERED TO AS STIPULATED IN THE DATA SHEET. ADDITIONALLY, VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD PERSONS CAUSED BY ABNORMAL USE OF THE MATERIAL EVEN IF REASONABLE SAFETY PROCEDURES ARE FOLLOWED. FURTHERMORE, VENDEE ASSUMES THE RISK IN THEIR USE OF THE MATERIAL.**