

QMI

MATERIAL SAFETY DATA SHEET

GL1546

REVISION DATE: 05/18/2009

SECTION I MATERIAL IDENTIFICATION AND USE

TRADE NAME : QMI COOLING SYSTEM FORTIFIER
PRODUCT CODE : GL1546
GENERAL USE : COOLING SYSTEM FORTIFIER
WHMIS CLASS :
TDG CLASSIFICATION : NOT REGULATED
CHEMICAL FAMILY : MIXTURE
MANUFACTURER'S NAME : QMI INC.
ADDRESS : 3606 CRAFTSMAN BLVD.
CITY&PROVINCE : 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.

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

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 : >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 22

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

SPECIFIC GRAVITY : 1.01 @ 70°F

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

VAPOR DENSITY (AIR =1) : NOT DETERMINED

FREEZING POINT : NOT AVAILABLE

BOILING POINT (°C) : 100°C

PH : 9.00 - 10.0

FLASH POINT (°C) TCC : DOES NOT FLASH

% VOLATILE : 3.5 G/LITER

EXPLOSIVE : NO

OXIDIZER : NO

WATER SOLUBILITY : COMPLETE

VISCOSITY : WATER THIN

SECTION X STABILITY AND REACTIVITY DATA

CHEMICAL STABILITY : STABLE

INCOMPATIBLE WITH OTHER SUBSTANCES : NONE KNOWN

IF SO, WHICH ONES :

HAZARDOUS DECOMPOSITION PRODUCTS : NONE KNOWN

HAZARDOUS POLYMERIZATION : WILL NOT OCCUR

SECTION XI TOXICOLOGICAL INFORMATION

ACCUTE ORAL TOXICITY ESTIMATE :
PRODUCT CODE : TLF 106
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
22,36

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 THE CONTAINER OR LABEL.

US / CANADA

HMIS 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. 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 FOR INJURY TO VENDEE OR TI 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.**