

MATERIAL SAFETY DATA SHEET

CHEMICAL PRODUCT AND COMPANY INFORMATION

DISTRIBUTED BY:
QMI, INC.
3606 Craftsman Blvd.,
Lakeland, FL 33803

EMERGENCY TELEPHONE #:
QMI: (800) 255-8138
CHEM-TEL: (800) 255-3924

PRODUCT NAME: QMI BRAKE FLUID DOT 4 (64 oz. – Part # 5140)
CAS NUMBER : NONE FOR MIXTURES
GENERIC CHEMICAL NAME: NONE
PRODUCT TYPE: MIXTURE
PREPARATION/REVISION DATE: 10/15/2008
TRANSPORTATION EMERGENCY
PHONE NUMBER: 863-665-3338

COMPOSITION/INFORMATION ON INGREDIENTS

Diethylene glycol	5 – 10	111-46-6
* Diethylene glycol monobutyl ether	10 – 50	112-34-5
* Triethylene glycol monobutyl ether	10 – 50	143-22-6
Triethylene glycol	5 – 25	112-27-6
Tetraethylene glycol	5 – 25	112-60-7
* Diethylene glycol monoethyl ether	10 - 50	111-90-0
* Triethylene glycol monoethyl ether	10 - 50	112-50-5
* Glycol Ether TM borate esters	10 -50	68441-44-1

* Denotes Sara 313 chemicals

HAZARDS IDENTIFICATION

This material has a low hazard under normal handling conditions.
NFPA (30) Class IIIB
HMIS Ratings: Health – 1, Flammability – 1, Reactivity - 0

FIRST AID MEASURES

EYES: Any material that contacts the eyes should be washed out immediately and medical attention obtained if any symptoms are present after washing.

ORAL: Give two glasses of water and consult medical personnel. Do not induce vomiting.

SKIN: Wash contaminated skin with soap and water.

INHALATION: Remove to fresh air and consult medical personnel.

FIRE FIGHTING MEASURES

FLASH POINT: 203 C

UPPER FLAMMABLE

LIMIT: Not determined

LOWER FLAMMABLE

LIMIT: 1.5

EXTINGUISHING MEDIA: Dry chemical, CO₂, foam, or water fog.

FIRE FIGHTING PROCEDURES: Wear self contained breathing apparatus with full face piece and protective clothing.

UNUSUAL FIRE & EXPLOSION HAZARDS: None known

AUTOIGNITION POINT: Not determined

EXPLOSION DATA: None known

ACCIDENTAL RELEASE MEASURE

Small spills should be collected with absorbent material. Large spills should be contained to keep from entering drains, sewers, or streams. Flush area with water spray.

HANDLING AND STORAGE

MAXIMUM HANDLING TEMPERATURE: Not determined.

HANDLING PROCEDURES: Keep containers closed when not in use.

Wash thoroughly after handling. Empty containers contain product residue which may exhibit hazards of product.

MAXIMUM STORAGE TEMPERATURE: None established.

STORAGE PROCEDURES: No special storage precautions required.

EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION PROCEDURES: Use with adequate ventilation.

GLOVES PROCEDURES: PVC or Nitrile.

EYE PROTECTION: Safety glasses with side shields or goggles.

RESPIRATORY PROTECTION: Under normal circumstances none is needed.

CLOTHING RECOMMENDATION: Long sleeve shirt is recommended.

PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE: less than 0.1 @ 20 C

pH: 7.0 – 11.5

SPECIFIC GRAVITY: 1.023 – 1.035

WATER SOLUBILITY: Complete

PERCENT VOLATILE: Unknown

PERCENT VOC: Not determined
VAPOR DENSITY: Not determined
EVAPORATION RATE: less than 60% in 72 hours
ODOR: Mild etheric odor
APPEARANCE: clear to amber
VISCOSITY: less than 1500 @ -40 F
BOILING POINT: 205 C minimum

STABILITY AND REACTIVITY

STABILITY: Stable
DECOMPOSITION TEMPERATURE: Not determined
INCOMPATIBILITY: None known
POLYMERIZATION: Will not occur.
THERMAL DECOMPOSITION: Carbon dioxide and probably carbon monoxide

TOXICOLOGICAL INFORMATION

ORAL TOXICITY: Lethal dose for human reported to be 100 ml.
EYE IRRITATION: Low hazard for normal handling. May cause slight irritation.
SKIN IRRITATION: Prolong contact could result in mild irritation.
RESPIRATORY IRRITATION: Very toxic in particulate form upon inhalation.
OTHER EXPOSURE LIMITS: None known

DISPOSAL CONSIDERATION

WASTE DISPOSAL: Dispose of observing all local, state, and federal laws.

TRANSPORTATION INFORMATION

US DOT (BULK): Not Regulated
US DOT (NON BULK): Not Regulated
IMDG: This material is not classified as dangerous under IMDG regulations.

REGULATORY INFORMATION

US TSCA INVENTORY: All components are on TSCA Inventory
SARA EXT. HAZ. SUBST.: None
SARA SECTION 313: See section 2
CERCLA HAZARDOUS SUBSTANCES: None Known