



# SAFETY DATA SHEET

Revision Date 01-May-2015

Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** QMI Fuel Treatment

### Other means of identification

**Product Code** QMI 1001

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** See directions provided with product

**Uses advised against** All other applications

### Details of the supplier of the safety data sheet

| <u>Supplier Address</u>  | <u>Manufacturer Address</u> | <u>Distributor</u> |
|--|-----------------------------|--------------------|
| ITW Professional Automotive Products<br>3606 Craftsman Blvd.<br>Lakeland, FL 33803 |                             |                    |

**Company Phone Number** 863-665-3338  
**24 Hour Emergency Phone Number** Chem-Tel: 800-255-3924  
International Emergency:  
00+1+ 813-248-0585  
Contract Number: MIS0003583

**E-mail address** EHS@itwproap.com

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|  |            |
|--|------------|
| Acute toxicity - Oral                              | Category 4 |
| Acute toxicity - Inhalation (Dusts/Mists)          | Category 4 |
| Skin corrosion/irritation                          | Category 2 |
| Serious eye damage/eye irritation                  | Category 1 |
| Specific target organ toxicity (repeated exposure) | Category 1 |
| Aspiration toxicity                                | Category 1 |
| Flammable liquids                                  | Category 3 |

### Label elements

#### **Emergency Overview**

**Danger**

Harmful if swallowed  
 Harmful if inhaled  
 Causes skin irritation  
 Causes serious eye damage  
 Causes damage to organs through prolonged or repeated exposure  
 May be fatal if swallowed and enters airways  
 Flammable liquid and vapor



**Appearance** Colorless to pale yellow liquid

**Physical state** Liquid

**Odor** SLIGHT SOLVENT

#### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Use only outdoors or in a well-ventilated area  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge

#### Precautionary Statements - Response

Get medical advice/attention if you feel unwell  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor/physician  
 If skin irritation occurs: Get medical advice/attention  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Call a POISON CENTER or doctor/physician if you feel unwell  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 Do NOT induce vomiting  
 Rinse mouth  
 In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

#### Precautionary Statements - Storage

Store locked up  
 Store in a well-ventilated place. Keep cool

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

Not applicable

#### Other Information

Not applicable.

Unknown acute toxicity

17.8% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### substance(s)

| Chemical Name                         | CAS No      | Weight-% | Trade Secret |
|---------------------------------------|-------------|----------|--------------|
| Mineral Spirits                       | 8052-41-3   | 30 - 60  | *            |
| Ethylene Glycol Monobutyl Ether       | 111-76-2    | 15 - 40  | *            |
| Nonylphenol polyethylene glycol ether | 127087-87-0 | 1 - 5    | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

#### Description of first aid measures

|   |  |
|---|--|
| <b>General advice</b>                     | Get medical advice/attention if you feel unwell.   |
| <b>Eye contact</b>                        | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| <b>Skin contact</b>                       | IF ON SKIN: Wash skin with soap and water. If skin irritation persists, call a physician. Wash contaminated clothing before reuse.   |
| <b>Inhalation</b>                         | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.  |
| <b>Ingestion</b>                          | IF SWALLOWED: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.   |
| <b>Self-protection of the first aider</b> | Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.  |

#### Most important symptoms and effects, both acute and delayed

**Symptoms** See section 2 for more information.

#### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam

#### Unsuitable extinguishing media

None.

#### Specific hazards arising from the chemical

Flammable.

#### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Remove all sources of ignition. Use personal protective equipment as required.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional ecological information. Do not flush into surface water or sanitary sewer system.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Soak up with inert absorbent material.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use personal protective equipment as required.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Incompatible materials** Strong oxidizing agents

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines**

| Chemical Name                               | ACGIH TLV    | OSHA PEL   | NIOSH IDLH  |
|---|--------------|--|---|
| Mineral Spirits<br>8052-41-3                | TWA: 100 ppm | TWA: 500 ppm<br>TWA: 2900 mg/m <sup>3</sup><br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 525 mg/m <sup>3</sup>                    | IDLH: 20000 mg/m <sup>3</sup><br>Ceiling: 1800 mg/m <sup>3</sup> 15 min<br>TWA: 350 mg/m <sup>3</sup> |
| Ethylene Glycol Monobutyl Ether<br>111-76-2 | TWA: 20 ppm  | TWA: 50 ppm<br>TWA: 240 mg/m <sup>3</sup><br>(vacated) TWA: 25 ppm<br>(vacated) TWA: 120 mg/m <sup>3</sup><br>(vacated) S*<br>S* | IDLH: 700 ppm<br>TWA: 5 ppm<br>TWA: 24 mg/m <sup>3</sup>  |

NIOSH IDLH *Immediately Dangerous to Life or Health*

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear protective gloves and protective clothing.

**Respiratory protection**

Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

|                       |                                 |
|-----------------------|---------------------------------|
| <b>Physical state</b> | Liquid                          |
| <b>Appearance</b>     | Colorless to pale yellow liquid |
| <b>Odor</b>           | SLIGHT SOLVENT                  |
| <b>Odor threshold</b> | No information available        |

| <b><u>Property</u></b>                | <b><u>Values</u></b>     | <b><u>Remarks • Method</u></b>   |
|---------------------------------------|--------------------------|----------------------------------|
| <b>pH</b>                             | No information available |                                  |
| <b>Melting point / freezing point</b> | No information available |                                  |
| <b>Boiling point / boiling range</b>  | > 35 °C / 95 °F          |                                  |
| <b>Flash point</b>                    | 47 °C / 117 °F           | Pensky-Martens Closed Cup (PMCC) |
| <b>Evaporation rate</b>               | No information available |                                  |
| <b>Flammability (solid, gas)</b>      | No information available |                                  |
| <b>Flammability Limit in Air</b>      |                          |                                  |
| <b>Upper flammability limit:</b>      | No information available |                                  |
| <b>Lower flammability limit:</b>      | No information available |                                  |
| <b>Vapor pressure</b>                 | No information available |                                  |
| <b>Vapor density</b>                  | No information available |                                  |
| <b>Relative density</b>               | 0.85                     |                                  |
| <b>Water solubility</b>               | No information available |                                  |
| <b>Solubility in other solvents</b>   | No information available |                                  |
| <b>Partition coefficient</b>          | No information available |                                  |
| <b>Autoignition temperature</b>       | No information available |                                  |
| <b>Decomposition temperature</b>      | No information available |                                  |
| <b>Kinematic viscosity</b>            | 2 mm <sup>2</sup> /s     |                                  |
| <b>Dynamic viscosity</b>              | No information available |                                  |
| <b>Explosive properties</b>           | No information available |                                  |
| <b>Oxidizing properties</b>           | No information available |                                  |

**Other Information**

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening point</b>  | No information available |
| <b>Molecular weight</b> | No information available |
| <b>VOC Content (%)</b>  | 32.5                     |
| <b>Density</b>          | No information available |
| <b>Bulk density</b>     | No information available |

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Excessive heat.

**Incompatible materials**

Strong oxidizing agents

**Hazardous Decomposition Products**

Carbon oxides

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | May cause irritation of respiratory tract.   |
| <b>Eye contact</b>  | Contact with eyes may cause irritation. May cause redness and tearing of the eyes. |
| <b>Skin contact</b> | May cause skin irritation and/or dermatitis.                                       |
| <b>Ingestion</b>    | Ingestion may cause irritation to mucous membranes.                                |

| Chemical Name  | Oral LD50            | Dermal LD50           | Inhalation LC50       |
|--|----------------------|-----------------------|-----------------------|
| Ethylene Glycol Monobutyl Ether<br>111-76-2          | = 470 mg/kg ( Rat )  | = 99 mg/kg ( Rabbit ) | = 450 ppm ( Rat ) 4 h |
| Nonylphenol polyethylene glycol ether<br>127087-87-0 | = 1310 mg/kg ( Rat ) | -                     | -                     |

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name                               | ACGIH | IARC    | NTP | OSHA |
|---|-------|---------|-----|------|
| Ethylene Glycol Monobutyl Ether<br>111-76-2 | A3    | Group 3 | -   | -    |

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Not classifiable as a human carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

**Chronic toxicity** May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.

**Target Organ Effects** Blood, Central nervous system, Eyes, Hematopoietic System, kidney, Liver, Respiratory system, Skin.

The following values are calculated based on chapter 3.1 of the GHS document .

|                                      |            |
|--------------------------------------|------------|
| <b>ATEmix (oral)</b>                 | 1134 mg/kg |
| <b>ATEmix (dermal)</b>               | 2567 mg/kg |
| <b>ATEmix (inhalation-dust/mist)</b> | 3.8 mg/l   |
| <b>ATEmix (inhalation-vapor)</b>     | 1138 mg/l  |

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

49.7% of the mixture consists of components(s) of unknown hazards to the aquatic environment

| Chemical Name | Algae/aquatic plants | Fish | Crustacea |
|---------------|----------------------|------|-----------|
|               |                      |      |           |

|   |   |  |  |
|---|---|--|--|
| Ethylene Glycol Monobutyl Ether<br>111-76-2 | - | 1490: 96 h Lepomis macrochirus<br>mg/L LC50 static 2950: 96 h<br>Lepomis macrochirus mg/L LC50 | 1000: 48 h Daphnia magna mg/L<br>EC50 1698 - 1940: 24 h Daphnia<br>magna mg/L EC50 |
|---|---|--|--|

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility**

No information available.

| Chemical Name                               | Partition coefficient |
|---|-----------------------|
| Ethylene Glycol Monobutyl Ether<br>111-76-2 | 0.81                  |

**Other adverse effects**

No information available

### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

|                               |   |
|-------------------------------|---|
| <b>Disposal of wastes</b>     | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| <b>Contaminated packaging</b> | Do not reuse container.   |
| <b>US EPA Waste Number</b>    | D001  |

### 14. TRANSPORT INFORMATION

**DOT**

|                              |   |
|------------------------------|---|
| <b>UN/ID no</b>              | UN1993  |
| <b>Proper shipping name:</b> | Flammable liquids, n.o.s, (Petroleum distillates) |
| <b>Hazard Class</b>          | 3   |
| <b>Packing Group</b>         | III   |

**IATA**

|                              |  |
|------------------------------|--|
| <b>UN/ID no</b>              | UN1993   |
| <b>Proper shipping name:</b> | Flammable liquid, n.o.s, (Petroleum distillates) |
| <b>Hazard Class</b>          | 3  |
| <b>Packing Group</b>         | III  |

**IMDG**

|                              |   |
|------------------------------|---|
| <b>UN/ID no</b>              | UN1993  |
| <b>Proper shipping name:</b> | Flammable liquids, n.o.s, (Petroleum distillates) |
| <b>Hazard Class</b>          | 3   |
| <b>Packing Group</b>         | III   |

### 15. REGULATORY INFORMATION

**International Inventories**

|                      |          |
|----------------------|----------|
| <b>TSCA</b>          | Complies |
| <b>DSL/NDSL</b>      | Complies |
| <b>EINECS/ELINCS</b> | Complies |
| <b>ENCS</b>          | Complies |

IECSC Complies  
 KECL Complies  
 PICCS Complies  
 AICS Complies

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name                              | SARA 313 - Threshold Values % |
|--|-------------------------------|
| Ethylene Glycol Monobutyl Ether - 111-76-2 | 1.0                           |

**SARA 311/312 Hazard Categories**

Acute health hazard No  
 Chronic Health Hazard No  
 Fire hazard Yes  
 Sudden release of pressure hazard No  
 Reactive Hazard No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

| Chemical Name   | New Jersey | Massachusetts | Pennsylvania |
|---|------------|---------------|--------------|
| Mineral Spirits<br>8052-41-3  | X          | X             | X            |
| Ethylene Glycol Monobutyl Ether<br>111-76-2                             | X          | X             | X            |
| Distillates (petroleum), hydrotreated<br>light paraffinic<br>64742-55-8 | -          | X             | -            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

NFPA Health hazards 2 Flammability 2 Instability 0 -  
 HMIS Health hazards 2 Flammability 2 Physical hazards 0 Personal protection B

NFPA (National Fire Protection Association)



HMIS (Hazardous Material Information System)

**Revision Date** 01-May-2015

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**