



## SAFETY DATA SHEET FUEL SYSTEM CLEANER

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product name** FUEL SYSTEM CLEANER

**Product number** QFG300

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Fuel additive.

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

**Supplier** TETROSYL LIMITED  
Bury  
Lancashire  
England  
BL9 7NY  
0161 764 5981  
0161 797 5899  
info@tetrosyl.com

**Manufacturer** TETROSYL LIMITED  
Bury  
Lancashire  
England  
BL9 7NY  
0161 764 5981  
0161 797 5899  
info@tetrosyl.com

#### 1.4. Emergency telephone number

**Emergency telephone** +44 (0)161 764 5981

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

**Physical hazards** Not Classified

**Health hazards** Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Asp. Tox. 1 - H304

**Environmental hazards** Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

#### 2.2. Label elements

##### Pictogram



**Signal word**

Danger

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<b>Hazard statements</b>	<p>H304 May be fatal if swallowed and enters airways.</p> <p>H315 Causes skin irritation.</p> <p>H318 Causes serious eye damage.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p>
<b>Precautionary statements</b>	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P331 Do NOT induce vomiting.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P391 Collect spillage.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p> <p>P101 If medical advice is needed, have product container or label at hand.</p> <p>P102 Keep out of reach of children.</p>
<b>Contains</b>	<p>POLY[OXY(1,2-PROPANEDIYL)],.ALPHA.-(3-AMINOPROPYL)-.OMEGA.-HYDROXY-, C12-15 ALKYL ETHERS, DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; KEROSENE - UNSPECIFIED, HYDROCARBONS, C11-14, N-ALKANES, ISOALKANES, CYCLIC, &lt;2% AROMATICS, DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE, POLY[OXY(1,2-PROPANEDIYL)].ALPHA.-PROPYL-.OMEGA.-HYDROXY-C12-15 ALKYL ETHERS, HYDROCARBONS, C10, AROMATICS, &gt;1% NAPHTHALENE</p>

### 2.3. Other hazards

Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<p><b>POLY[OXY(1,2-PROPANEDIYL)],.ALPHA.-(3-AMINOPROPYL)-.OMEGA.-HYDROXY-, C12-15 ALKYL ETHERS</b></p> <p>CAS number: —</p> <p>M factor (Acute) = 1                      M factor (Chronic) = 1</p>	<b>10-&lt;30%</b>
<p><b>Classification</b></p> <p>Skin Irrit. 2 - H315</p> <p>Eye Dam. 1 - H318</p> <p>Aquatic Acute 1 - H400</p> <p>Aquatic Chronic 1 - H410</p>	



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<b>HYDROCARBONS, C10, AROMATICS, &gt;1%</b>	<b>1-&lt;2.5%</b>
<b>NAPHTHALENE</b>	
CAS number: —	EC number: 919-284-0
	REACH registration number: 01-2119463588-24-0000
<b>Classification</b>	
STOT SE 3 - H336	
Asp. Tox. 1 - H304	
Aquatic Chronic 2 - H411	
<b>NAPHTHALENE</b>	<b>0.1-&lt;0.3%</b>
CAS number: 91-20-3	EC number: 202-049-5
M factor (Acute) = 1	M factor (Chronic) = 1
<b>Classification</b>	
Flam. Sol. 2 - H228	
Acute Tox. 4 - H302	
Carc. 2 - H351	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Remove affected person from source of contamination. Keep the affected person warm and at rest. Get prompt medical attention.
<b>Inhalation</b>	Get medical attention if any discomfort continues. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention. Symptoms of lung oedema (shortness of breath) may develop up to 24 hours after exposure. Show this Safety Data Sheet to the medical personnel.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if a large quantity has been ingested. Show this Safety Data Sheet to the medical personnel.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Rinse with water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Do not rub eye. Get medical attention promptly if symptoms occur after washing.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Effects may be delayed. Keep affected person under observation.
<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	May cause discomfort if swallowed. May cause stomach pain or vomiting.
<b>Skin contact</b>	Skin irritation. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Blistering may occur.

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**Eye contact** Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain. May cause blurred vision and serious eye damage.

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

**Notes for the doctor** No specific recommendations. If in doubt, get medical attention promptly.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with the following media: Foam, carbon dioxide or dry powder. Water. Use fire-extinguishing media suitable for the surrounding fire.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** No specific precautions due to the small quantities handled. No unusual fire or explosion hazards noted.

**Hazardous combustion products** Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### 5.3. Advice for firefighters

**Protective actions during firefighting** No specific firefighting precautions known.

**Special protective equipment for firefighters** Leave danger zone immediately.

## SECTION 6: Accidental release measures

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

**Personal precautions** For personal protection, see Section 8. In case of spills, beware of slippery floors and surfaces. Avoid contact with eyes and prolonged skin contact. Provide adequate ventilation. Avoid inhalation of spray mist and contact with skin and eyes.

### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground. Collect and dispose of spillage as indicated in Section 13.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Stop leak if possible without risk. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Avoid eating, drinking and smoking when using the product. Avoid contact with skin and eyes. Do not handle broken packages without protective equipment.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep containers upright. Store in tightly-closed, original container. Keep away from heat, sparks and open flame.

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### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

No exposure limits known for ingredient(s).

##### HYDROCARBONS, C11-14, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATICS

No exposure limits known for ingredient(s).

##### NAPHTHALENE

Long-term exposure limit (8-hour TWA): 10 53

Short-term exposure limit (15-minute): 15 80

#### 8.2. Exposure controls

##### Protective equipment



##### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.

##### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

##### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

##### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact. Provide eyewash station.

##### Hygiene measures

Provide eyewash station and safety shower. Wash contaminated clothing before reuse. Wash promptly with soap and water if skin becomes contaminated.

##### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Colourless to pale yellow.
<b>Odour</b>	Mild. Amine.
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	>200°C @ 1.013 hPa
<b>Flash point</b>	74°C
<b>Evaporation rate</b>	Not determined.
<b>Upper/lower flammability or explosive limits</b>	Not determined.

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<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	0.869g/cm <sup>3</sup> @ 20°C
<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	<20 mm <sup>2</sup> /s @ 40°C
<b>Explosive properties</b>	Not considered to be explosive.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

### 9.2. Other information

**Other information** None.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** The following materials may react strongly with the product: Alkaline earth metals. Powdered metal.

### 10.2. Chemical stability

**Stability** No particular stability concerns.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not applicable.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat. Avoid contact with the following materials: Strong oxidising agents.

### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** No information available.

#### Acute toxicity - inhalation

**ATE inhalation (dusts/mists mg/l)** 9.93

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<b>Inhalation</b>	Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
<b>Ingestion</b>	May cause discomfort if swallowed. Aspiration hazard if swallowed.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye damage.
<b>Medical considerations</b>	Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

### SECTION 12: Ecological Information

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

#### 12.1. Toxicity

##### Acute aquatic toxicity

**Acute toxicity - fish** Not available.

**Acute toxicity - aquatic invertebrates** Not available.

#### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not determined.

#### 12.4. Mobility in soil

**Mobility** The product is insoluble in water.

**Adsorption/desorption coefficient** Not available.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

#### 12.6. Other adverse effects

**Other adverse effects** Not applicable.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Confirm disposal procedures with environmental engineer and local regulations.

### SECTION 14: Transport information

#### 14.1. UN number

**UN No. (ADR/RID)** 3082

**UN No. (IMDG)** 3082



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UN No. (ICAO) 3082

UN No. (ADN) 3082

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS POLY[OXY(1,2-PROPANEDIYL)],.ALPHA.-(3-AMINOPROPYL)-.OMEGA.-HYDROXY-, C12-15 ALKYL ETHERS, DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE)

**Proper shipping name (IMDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS POLY[OXY(1,2-PROPANEDIYL)],.ALPHA.-(3-AMINOPROPYL)-.OMEGA.-HYDROXY-, C12-15 ALKYL ETHERS, DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE)

**Proper shipping name (ICAO)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS POLY[OXY(1,2-PROPANEDIYL)],.ALPHA.-(3-AMINOPROPYL)-.OMEGA.-HYDROXY-, C12-15 ALKYL ETHERS, DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE)

**Proper shipping name (ADN)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS POLY[OXY(1,2-PROPANEDIYL)],.ALPHA.-(3-AMINOPROPYL)-.OMEGA.-HYDROXY-, C12-15 ALKYL ETHERS, DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE)

### 14.3. Transport hazard class(es)

ADR/RID class 9

ADR/RID classification code M6

ADR/RID label 9

IMDG class 9

ICAO class/division 9

ADN class 9

Transport labels



### 14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ADN packing group III

ICAO packing group III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

EmS F-A, S-F

ADR transport category 3

Emergency Action Code •3Z

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**Hazard Identification Number** 90  
(ADR/RID)

**Tunnel restriction code** (E)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

### **SECTION 15: Regulatory information**

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**National regulations** EH40/2005 Workplace exposure limits.

**EU legislation** Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### **SECTION 16: Other information**

**Revision comments** NOTE: Lines within the margin indicate significant changes from the previous revision.

**Issued by** Health & Safety Department

**Revision date** 05/01/2017

**Revision** 0

**SDS number** 32176

**SDS status** Approved.

**Hazard statements in full** H226 Flammable liquid and vapour.  
H228 Flammable solid.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H332 Harmful if inhaled.  
H336 May cause drowsiness or dizziness.  
H351 Suspected of causing cancer.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.