



## SAFETY DATA SHEET FUEL SYSTEM CLEANER DIESEL

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

#### 1.1. Product identifier

**Product name** FUEL SYSTEM CLEANER DIESEL

**Product number** QFD300

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

**Identified uses** Car maintenance product.

#### 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** Acute Tox. 4 - H302 Acute Tox. 4 - H332 Asp. Tox. 1 - H304

**Environmental hazards** Aquatic Chronic 2 - H411

#### 2.2. Label elements

**Pictogram**



**Signal word**

Danger

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|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hazard statements</b>                      | H302+H332 Harmful if swallowed or if inhaled.<br>H304 May be fatal if swallowed and enters airways.<br>H411 Toxic to aquatic life with long lasting effects.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Precautionary statements</b>               | P101 If medical advice is needed, have product container or label at hand.<br>P102 Keep out of reach of children.<br>P261 Avoid breathing vapour/ spray.<br>P264 Wash contaminated skin thoroughly after handling.<br>P270 Do not eat, drink or smoke when using this product.<br>P271 Use only outdoors or in a well-ventilated area.<br>P273 Avoid release to the environment.<br>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.<br>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br>P330 Rinse mouth.<br>P331 Do NOT induce vomiting.<br>P391 Collect spillage.<br>P405 Store locked up.<br>P501 Dispose of contents/ container in accordance with national regulations. |
| <b>Contains</b>                               | DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; KEROSENE - UNSPECIFIED, 2-ETHYLHEXYL NITRATE, 2-ETHYLHEXAN-1-OL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Detergent labelling</b>                    | ≥ 30% aliphatic hydrocarbons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Supplementary precautionary statements</b> | P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

### 2.3. Other hazards

Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

|                                                                                                                        |                      |
|------------------------------------------------------------------------------------------------------------------------|----------------------|
| <b>DISTILLATES (PETROLEUM), HYDROTREATED LIGHT;<br/>KEROSENE - UNSPECIFIED</b>                                         | <b>60-100%</b>       |
| CAS number: —                                                                                                          | EC number: 926-141-6 |
| REACH registration number: 01-2119484819-18-0001                                                                       |                      |
| <b>Classification</b><br>Asp. Tox. 1 - H304                                                                            |                      |
| <b>2-ETHYLHEXYL NITRATE</b>                                                                                            | <b>10-&lt;30%</b>    |
| CAS number: 27247-96-7                                                                                                 | EC number: 248-363-6 |
| REACH registration number: 01-2119539586-27-0000                                                                       |                      |
| <b>Classification</b><br>Acute Tox. 4 - H302<br>Acute Tox. 4 - H312<br>Acute Tox. 4 - H332<br>Aquatic Chronic 2 - H411 |                      |

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|                                                                                                                 |                      |                                                  |
|-----------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------------|
| <b>2-ETHYLHEXAN-1-OL</b>                                                                                        |                      | <b>2.5-&lt;5.0%</b>                              |
| CAS number: 104-76-7                                                                                            | EC number: 203-234-3 | REACH registration number: 01-2119487289-20-0000 |
| <b>Classification</b><br>Acute Tox. 4 - H332<br>Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319<br>STOT SE 3 - H335 |                      |                                                  |

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.                                                |
| <b>Eye contact</b>         | 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

|                             |                                                                           |
|-----------------------------|---------------------------------------------------------------------------|
| <b>Notes for the doctor</b> | No specific recommendations. If in doubt, get medical attention promptly. |
|-----------------------------|---------------------------------------------------------------------------|

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                     |                                                                                                                                                 |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b> | 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

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|                                                      |                                                                                                                    |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Specific hazards</b>                              | Closed containers can burst violently when heated, due to excess pressure build-up. Risk of explosion if heated.   |
| <b>Hazardous combustion products</b>                 | Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. |
| <b>5.3. Advice for firefighters</b>                  |                                                                                                                    |
| <b>Protective actions during firefighting</b>        | No specific firefighting precautions known.                                                                        |
| <b>Special protective equipment for firefighters</b> | Leave danger zone immediately.                                                                                     |

### SECTION 6: Accidental release measures

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

|                             |                                                                                                                                                                                                                                                     |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b> | 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

|                                  |                                                                                                                             |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental precautions</b> | 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

|                                |                                                                                                                                                                                                                                                                                                                  |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Methods for cleaning up</b> | 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

|                                    |                                                                             |
|------------------------------------|-----------------------------------------------------------------------------|
| <b>Reference to other sections</b> | For personal protection, see Section 8. For waste disposal, see section 13. |
|------------------------------------|-----------------------------------------------------------------------------|

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

|                          |                                                                                                                                                                                                                                                                                                                            |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Usage precautions</b> | 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

|                            |                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Storage precautions</b> | Keep containers upright. Store in tightly-closed, original container. Keep away from heat, sparks and open flame. |
|----------------------------|-------------------------------------------------------------------------------------------------------------------|

#### 7.3. Specific end use(s)

|                            |                                                                   |
|----------------------------|-------------------------------------------------------------------|
| <b>Specific end use(s)</b> | 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).

#### 8.2. Exposure controls

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### 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

|                                              |                                 |
|----------------------------------------------|---------------------------------|
| Appearance                                   | Clear liquid.                   |
| Colour                                       | Dark. Brown.                    |
| Odour                                        | Strong. Characteristic.         |
| pH                                           | Not determined.                 |
| Melting point                                | Not determined.                 |
| Initial boiling point and range              | >190°C @                        |
| Flash point                                  | >62°C                           |
| Evaporation rate                             | Not determined.                 |
| Upper/lower flammability or explosive limits | Not determined.                 |
| Vapour pressure                              | Not determined.                 |
| Vapour density                               | Not determined.                 |
| Relative density                             | 0.837g/cm <sup>3</sup> @ 20°C   |
| Solubility(ies)                              | Insoluble in water.             |
| Partition coefficient                        | Not determined.                 |
| Auto-ignition temperature                    | Not determined.                 |
| Decomposition Temperature                    | Not determined.                 |
| Viscosity                                    | 10 mm <sup>2</sup> /s @ 40°C    |
| Explosive properties                         | Not considered to be explosive. |

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**Explosive under the influence of a flame** Not considered to be explosive.

**Oxidising properties** 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. Avoid heat, flames and other sources of ignition.

### 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 - oral

**ATE oral (mg/kg)** 1,884.66

#### Acute toxicity - dermal

**ATE dermal (mg/kg)** 4,146.25

#### Acute toxicity - inhalation

**ATE inhalation (gases ppm)** 14,843.54

**ATE inhalation (vapours mg/l)** 36.28

**ATE inhalation (dusts/mists mg/l)** 4.95

**Inhalation** Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. Harmful by inhalation.

**Ingestion** Harmful if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

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|                               |                                                                                                                      |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Skin contact</b>           | Harmful in contact with skin. Repeated exposure may cause skin dryness or cracking.                                  |
| <b>Eye contact</b>            | May cause temporary eye irritation.                                                                                  |
| <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** The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

#### 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 and will spread on the water surface.

**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

**UN No. (ICAO)** 3082

**UN No. (ADN)** 3082

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### 14.2. UN proper shipping name

|                                       |                                                                                     |
|---------------------------------------|-------------------------------------------------------------------------------------|
| <b>Proper shipping name (ADR/RID)</b> | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS 2-ETHYLHEXYL NITRATE) |
| <b>Proper shipping name (IMDG)</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS 2-ETHYLHEXYL NITRATE) |
| <b>Proper shipping name (ICAO)</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS 2-ETHYLHEXYL NITRATE) |
| <b>Proper shipping name (ADN)</b>     | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS 2-ETHYLHEXYL NITRATE) |

### 14.3. Transport hazard class(es)

|                                    |    |
|------------------------------------|----|
| <b>ADR/RID class</b>               | 9  |
| <b>ADR/RID classification code</b> | M6 |
| <b>ADR/RID label</b>               | 9  |
| <b>IMDG class</b>                  | 9  |
| <b>ICAO class/division</b>         | 9  |
| <b>ADN class</b>                   | 9  |

#### Transport labels



### 14.4. Packing group

|                              |     |
|------------------------------|-----|
| <b>ADR/RID packing group</b> | III |
| <b>IMDG packing group</b>    | III |
| <b>ADN packing group</b>     | III |
| <b>ICAO packing group</b>    | III |

### 14.5. Environmental hazards

#### Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

|                                               |          |
|-----------------------------------------------|----------|
| <b>EmS</b>                                    | F-A, S-F |
| <b>ADR transport category</b>                 | 3        |
| <b>Emergency Action Code</b>                  | •3Z      |
| <b>Hazard Identification Number (ADR/RID)</b> | 90       |
| <b>Tunnel restriction code</b>                | (E)      |

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



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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

|                             |                                                                                                                                                                                                          |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>National regulations</b> | EH40/2005 Workplace exposure limits.                                                                                                                                                                     |
| <b>EU legislation</b>       | 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

|                                  |                                                                                                                                                                                                                                                                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Revision comments</b>         | NOTE: Lines within the margin indicate significant changes from the previous revision.                                                                                                                                                                                                                                       |
| <b>Issued by</b>                 | Health & Safety Department                                                                                                                                                                                                                                                                                                   |
| <b>Revision date</b>             | 07/02/2017                                                                                                                                                                                                                                                                                                                   |
| <b>Revision</b>                  | 0                                                                                                                                                                                                                                                                                                                            |
| <b>SDS number</b>                | 32224                                                                                                                                                                                                                                                                                                                        |
| <b>SDS status</b>                | Approved.                                                                                                                                                                                                                                                                                                                    |
| <b>Hazard statements in full</b> | H302 Harmful if swallowed.<br>H304 May be fatal if swallowed and enters airways.<br>H312 Harmful in contact with skin.<br>H315 Causes skin irritation.<br>H319 Causes serious eye irritation.<br>H332 Harmful if inhaled.<br>H335 May cause respiratory irritation.<br>H411 Toxic to aquatic life with long lasting effects. |