SAFETY DATA SHEET
DIESEL TREATMENT

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name: DIESEL TREATMENT
Product No.: QPD300, AFD301, CTD301, QPD301, ADT100, SDT300, RPD300

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
BEVIS GREEN WORKS
WALMERSLEY
BURY
BL9 6RE
0161 764 5981
0161 797 5899
info@tetrosyl.com

1.4. Emergency telephone number
0161 764 5981

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

2.2. Label elements
Contains: Distillates (Petroleum), Hydrotreated Light; Kerosine - Unspecified
Labelling:

Risk Phrases:
- R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65: Harmful: may cause lung damage if swallowed.

Safety Phrases:
- S2: Keep out of the reach of children.
- S13: Keep away from food, drink and animal feeding stuffs.
- S46: If swallowed, seek medical advice immediately and show this container or label.
- S56: Dispose of this material and its container to hazardous or special waste collection point.
DIESEL TREATMENT

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

<table>
<thead>
<tr>
<th>Distillates (Petroleum), Hydrotreated Light; Kerosine - Unspecified</th>
<th>60-100%</th>
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</thead>
<tbody>
<tr>
<td>CAS-No.: 64742-47-8</td>
<td>EC No.: 265-149-8</td>
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<tr>
<th>Classification (EC 1272/2008)</th>
<th>Classification (67/548/EEC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asp. Tox. 1 - H304</td>
<td>Xn;R65</td>
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<table>
<thead>
<tr>
<th>NAPHTHALENE</th>
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<td>CAS-No.:</td>
<td>EC No.: 202-049-5</td>
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<tr>
<th>Classification (EC 1272/2008)</th>
<th>Classification (67/548/EEC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flam. Liq. 2 - H225</td>
<td>Xn;R22.</td>
</tr>
<tr>
<td>Acute Tox. 4 - H302</td>
<td>Carc. Cat. 3;R40.</td>
</tr>
<tr>
<td>Carc. 2 - H351</td>
<td>F;R11.</td>
</tr>
<tr>
<td>Aquatic Acute 1 - H400</td>
<td>N;R50/53.</td>
</tr>
<tr>
<td>Aquatic Chronic 1 - H410</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>PETROLEUM NAPHTHA</th>
<th>1-5%</th>
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</thead>
<tbody>
<tr>
<td>CAS-No.:</td>
<td>EC No.: 265-198-5</td>
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</table>

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<tr>
<th>Classification (EC 1272/2008)</th>
<th>Classification (67/548/EEC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Irrit. 2 - H315</td>
<td>Xn;R65.</td>
</tr>
<tr>
<td>Eye Irrit. 2 - H319</td>
<td>Xi;R36/38.</td>
</tr>
<tr>
<td>Asp. Tox. 1 - H304</td>
<td>N;R51/53.</td>
</tr>
<tr>
<td>Aquatic Chronic 2 - H411</td>
<td></td>
</tr>
</tbody>
</table>

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information
Remove affected person from source of contamination. Keep the affected person warm and at rest. Get prompt medical attention.

Inhalation
Get medical attention if any discomfort continues. Move injured person into fresh air immediately. Call an ambulance. Be aware that symptoms of lung oedema (shortness of breath) may develop up to 24 hours after exposure. Bring these instructions.

Ingestion
Immediately rinse mouth and drink plenty of water. If person becomes uncomfortable or if ingested in large amounts (100-150 ml for an adult person): Take to hospital along with these instructions.

Skin contact
Remove contaminated clothing immediately and wash skin with soap and water. Rinse with water. Get medical attention if irritation persists after washing.
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Eye contact
Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Do not rub eye. Get medical attention promptly if symptoms occur after washing.

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

**General information**
The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

**NOTE!** Effects may be delayed. Keep affected person under observation.

**Inhalation.**
No specific symptoms noted.

**Ingestion**
May cause discomfort if swallowed. May cause stomach pain or vomiting.

**Skin contact**
Skin irritation. Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping. Blistering may occur.

**Eye contact**
Irritating and may cause redness and pain. May cause blurred vision and serious eye damage.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

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**SECTION 5: FIREFIGHTING MEASURES**

5.1. Extinguishing media

Extinguishing media
Use: Foam, carbon dioxide or dry powder. Water. Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

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

**Unusual Fire & Explosion Hazards**
No unusual fire or explosion hazards noted.

**Specific hazards**
No specific precautions due to the small quantities handled.

5.3. Advice for firefighters

**Special Fire Fighting Procedures**
No specific fire fighting procedure given.

**Protective equipment for fire-fighters**
Leave danger zone immediately.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

6.1. Personal precautions, protective equipment and emergency procedures

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

Avoid discharge into water courses or onto the ground. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Collect with absorbent, non-combustible material into suitable containers.

6.4. Reference to other sections
7.1. Precautions for safe handling

Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap 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

Keep upright. Store in tightly closed original container. Keep away from heat, sparks and open flame.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

8.1. Control parameters

8.2. Exposure controls

Protective equipment

Process conditions
Provide eyewash, quick drench.

Engineering measures
Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of spray.

Respiratory equipment
In case of inadequate ventilation use suitable respirator.

Hand protection
Use suitable protective gloves if risk of skin contact. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Eye protection
Wear approved, tight fitting safety glasses where splashing is probable.

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

Hygiene measures
Wash contaminated clothing before reuse. Wash promptly with soap & water if skin becomes contaminated.

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear Oily Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Straw.</td>
</tr>
<tr>
<td>Odour</td>
<td>of solvents</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in water</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>175°C</td>
</tr>
<tr>
<td>Melting point (°C)</td>
<td>Scientifically unjustified</td>
</tr>
<tr>
<td>Scientifically unjustified.</td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>0.800 g/cm³ 20</td>
</tr>
<tr>
<td>Vapour density (air=1)</td>
<td>Scientifically unjustified</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Vapour pressure
Scientifically unjustified.
Evaporation rate
Scientifically unjustified.
Viscosity <50 cps 20
Decomposition temperature (°C)
Scientifically unjustified.
Odour Threshold, Lower
Scientifically unjustified.
Odour Threshold, Upper
Scientifically unjustified.
Flash point >55°C
Auto Ignition Temperature (°C)
Scientifically unjustified.
Flammability Limit - Lower(%)
Scientifically unjustified.
Flammability Limit - Upper(%)
Scientifically unjustified.
Partition Coefficient
(N-Octanol/Water)
Scientifically unjustified.
Oxidising properties
Not available.

9.2. Other information
None.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
Reacts strongly with alkaline metals and metal powder.

10.2. Chemical stability
No particular stability concerns.

10.3. Possibility of hazardous reactions
Not applicable.

10.4. Conditions to avoid
Avoid exposing to heat and contact with strong oxidising substances.

10.5. Incompatible materials
Materials To Avoid
Strong oxidising substances.

10.6. Hazardous decomposition products
None under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Toxic Dose 1 - LD 50
>5000 (Kerosene Odourless) mg/kg (oral rat)
Toxic Dose 2 - LD 50
2000 (kerosene odourless) mg/kg (oral-rbt)
Toxic Conc. - LC 50
>5.3 (Kerosene Odourless) mg/l/4h (inh-rat)
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Acute toxicity:
KEROSENE

Inhalation
Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Medical Considerations
Risk of chemical pneumonia after aspiration.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity
LC 50, 96 Hrs, Fish mg/l  2-5
Acute Toxicity - Fish
Not available.
EC 50, 48 Hrs, Daphnia, mg/l  1.4
Acute Toxicity - Aquatic Invertebrates
Not available.
IC 50, 72 Hrs, Algae, mg/l  1-3

12.2. Persistence and degradability
Degradability
The product is expected to be biodegradable.

12.3. Bioaccumulative potential
Bioaccumulative potential
No data available on bioaccumulation.
Partition coefficient
Scientifically unjustified.

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
Not classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects
Not applicable.

SECTION 13: DISPOSAL CONSIDERATIONS

General information
Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

13.1. Waste treatment methods
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Dispose of waste and residues in accordance with local authority requirements. Confirm disposal procedures with environmental engineer and local regulations.

SECTION 14: TRANSPORT INFORMATION

General
The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

Transport Labels
No transport warning sign required.

14.4. Packing group

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant No.

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

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

EU Legislation

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.
Revision Date 06/08/2012
Revision 5
Supersedes date 30/07/2012 V4
Safety Data Sheet Status Approved.
DIESEL TREATMENT

Risk Phrases In Full
R22 Harmful if swallowed.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R11 Highly flammable
R36/38 Irritating to eyes and skin.
R40 Limited evidence of a carcinogenic effect.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H302 Harmful if swallowed.
H412 Harmful to aquatic life with long lasting effects.
H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H351 Suspected of causing cancer.
H411 Toxic to aquatic life with long lasting effects.
H410 Very toxic to aquatic life with long lasting effects.
H400 Very toxic to aquatic life.