SAFETY DATA SHEET
32 HYDRAULIC OIL

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

1.1. Product identifier
Product name 32 HYDRAULIC OIL
Product number XFP455, XHJ501, YFP025, YFP199

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses Engine oil.

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 Not Classified
Environmental hazards Not Classified

Human health See Section 11 for additional information on health hazards.

2.2. Label elements
Hazard statements NC Not Classified

Precautionary statements P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
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2.3. Other hazards

SECTION 3: Composition/information on ingredients

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Remove affected person from source of contamination. Get medical attention if any discomfort continues.

Inhalation Get medical attention if any discomfort continues.

Ingestion Consult a physician for specific advice.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water.

Eye contact 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.

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

General information 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.

Inhalation May cause an asthma-like shortness of breath. Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion May cause discomfort if swallowed. May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication.

Skin contact Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Allergic rash.

Eye contact May cause temporary eye irritation.

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 Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2). No unusual fire or explosion hazards noted.

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

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
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Personal precautions
For personal protection, see Section 8. In case of spills, beware of slippery floors and surfaces.

6.2. Environmental precautions
Environmental precautions
Collect and dispose of spillage as indicated in Section 13.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up
For waste disposal, see Section 13. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb spillage with non-combustible, absorbent material.

6.4. Reference to other sections
Reference to other sections
Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in 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. Do not eat, drink or smoke when using the product. Avoid the formation of mists. Provide adequate ventilation. Avoid contact with skin and eyes. Always remove oil with soap and water or skin cleaning agent, never use organic solvents. Do not use oil-contaminated clothing or shoes, and do not put rags moistened with oil into pockets.

7.2. Conditions for safe storage, including any incompatibilities
Storage precautions
Keep containers upright. Store in tightly-closed, original container.

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).

8.2. Exposure controls
Protective equipment
Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Appropriate engineering controls
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.
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Other skin and body protection
Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures
Use engineering controls to reduce air contamination to permissible exposure level.

Respiratory protection
No specific recommendations.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Straw.</td>
</tr>
<tr>
<td>Odour</td>
<td>Oil-like.</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Scientifically unjustified.</td>
</tr>
<tr>
<td>pH</td>
<td>Scientifically unjustified.</td>
</tr>
<tr>
<td>Melting point</td>
<td>Scientifically unjustified.</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>&gt;250°C @</td>
</tr>
<tr>
<td>Flash point</td>
<td>200°C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Scientifically unjustified.</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Scientifically unjustified.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Scientifically unjustified.</td>
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<tr>
<td>Vapour density</td>
<td>Scientifically unjustified.</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.870g/cm³ @ 20°C</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Insoluble in water.</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>Scientifically unjustified.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>&gt;250°C</td>
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<tr>
<td>Decomposition Temperature</td>
<td>Scientifically unjustified.</td>
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<tr>
<td>Viscosity</td>
<td>32 cSt @ 40°C</td>
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<tr>
<td>Oxidising properties</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>

9.2. Other information
None.

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity
There are no known reactivity hazards associated with this product.

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
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Conditions to avoid
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
Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological effects
No information available.

Skin contact
Prolonged and frequent contact may cause redness and irritation.

Eye contact
May cause temporary eye irritation.

Acute and chronic health hazards
Because of the product's quantity and composition, the health hazard is regarded as low.

SECTION 12: Ecological Information

Ecotoxicity
Not regarded as dangerous for the environment.

12.1. Toxicity
Acute toxicity - fish
Not determined.

Acute toxicity - aquatic invertebrates
Not determined.

Acute toxicity - aquatic plants
Not determined.

12.2. Persistence and degradability
Persistence and degradability
No data available.

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.

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 available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
When handling waste, the safety precautions applying to handling of the product should be considered.

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor.

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

No transport warning sign required.

No transport warning sign required.

Not applicable.

No.

Not applicable.

Not applicable.

Not applicable.

Not applicable.

No chemical safety assessment has been carried out.
The information provided in this document has been compiled on the basis of our current knowledge and is believed to be in accordance with the requirements of the Dangerous Substances Directive, Dangerous Preparations Directive and Safety Data Sheets Directive. The information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any particular conditions or process. The conditions and extent of storage and use of material are outside of our control and within the control of the possessor or user. Consequently it is the responsibility of the possessor or user to satisfy themselves as to the completeness of such information and the suitability of the material for their own particular circumstances, conditions or use.