



## SAFETY DATA SHEET 20W/50 MOTOR OIL

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

#### 1.1. Product identifier

Product name 20W/50 MOTOR OIL  
Product No. GFH455, MAC300, MAC301, WOL001, XFI011, XFI025, XFI199, XFI455

#### 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  
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

Classification (1999/45/EEC) Not classified.  
Human health  
See section 11 for additional information on health hazards.

#### 2.2. Label elements

|                |           |   |
|----------------|-----------|---|
| Risk Phrases   | NC        | Not classified.   |
| Safety Phrases | S2<br>S46 | Keep out of the reach of children.<br>If swallowed, seek medical advice immediately and show this container or label. |

#### 2.3. Other hazards

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

### 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.

**20W/50 MOTOR OIL****Inhalation**

Get medical attention if any discomfort continues.

**Ingestion**

Consult a physician for specific advice.

**Skin contact**

Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above.

**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.

**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.**

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 redness, itching, irritation and eczema/chapping. Allergic rash.

**Eye contact**

May cause temporary eye irritation.

**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!

**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media****Extinguishing media**

Use fire-extinguishing media appropriate for surrounding materials.

**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****Hazardous combustion products**

During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

**Unusual Fire & Explosion Hazards**

No unusual fire or explosion hazards noted.

**Specific hazards**

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**5.3. Advice for firefighters****Special Fire Fighting Procedures**

No specific fire fighting procedure given.

**Protective equipment for fire-fighters**

Leave danger zone immediately.

**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.

**6.2. Environmental precautions**

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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**

For waste disposal, see section 13. When dealing with a spillage, please consult the section relating to suitable protective measures. Provide ventilation and confine spill. Do not allow runoff to sewer. Absorb spillage with non-combustible, absorbent material.

### **6.4. 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**

Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product. Avoid forming spray/aerosol mists. Provide good 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**

Keep upright. Store in tightly closed original container.

### **7.3. 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**

### **8.2. Exposure controls**

Protective equipment



Process conditions

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

Engineering measures

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

Respiratory equipment

No specific recommendations.

Hand protection

Protective gloves should be used if there is a risk of direct contact or splash. 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 suitable protective clothing as protection against splashing or contamination.

Hygiene measures

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

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**20W/50 MOTOR OIL****9.1. Information on basic physical and chemical properties**

|   |                             |
|---|-----------------------------|
| Appearance                              | Oily Liquid                 |
| Colour                                  | Brown.                      |
| Odour                                   | Oil smell.                  |
| Solubility                              | Insoluble in water          |
| Initial boiling point and boiling range | >250                        |
| Melting point (°C)                      | Scientifically unjustified. |
| Relative density                        | 0.875 20                    |
| Vapour density (air=1)                  | Scientifically unjustified. |
| Vapour pressure                         | Scientifically unjustified. |
| Evaporation rate                        | Scientifically unjustified. |
| pH-Value, Conc. Solution                | Scientifically unjustified. |
| Viscosity                               | 115 - 150 cSt 40            |
| Decomposition temperature (°C)          | Scientifically unjustified. |
| Odour Threshold, Lower                  | Scientifically unjustified. |
| Odour Threshold, Upper                  | Scientifically unjustified. |
| Flash point                             | >150                        |
| 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**

No specific reactivity hazards associated with this product.

**10.2. Chemical stability**

No particular stability concerns.

**10.3. Possibility of hazardous reactions**

Not applicable.

**10.4. Conditions to avoid**

No specific conditions are likely to result in a hazardous situation.

**10.5. Incompatible materials**

**20W/50 MOTOR OIL****Materials To Avoid**

No specific, or groups of materials are likely to react to produce a hazardous situation.

**10.6. Hazardous decomposition products**

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 information

No information available.

**Aspiration hazard:**

Health Warnings

Because of quantity and composition, the health hazard is small.

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity

Not regarded as dangerous for the environment.

**12.1. Toxicity**

Acute Toxicity - Fish

Not available.

Acute Toxicity - Aquatic Invertebrates

Not available.

**12.2. Persistence and degradability**

Degradability

There are no data on the degradability of this product.

**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.

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

Not Classified as PBT/vPvB by current EU criteria.

**12.6. Other adverse effects**

Not available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

General information

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

**13.1. Waste treatment methods**

**20W/50 MOTOR OIL**

Dispose of waste and residues in accordance with local authority requirements. Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point.

**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)**

ADR/RID/ADN Class Not classified for transportation.

Transport Labels  
No transport warning sign required.

**14.4. Packing group****14.5. Environmental hazards****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**

Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

General information

Only trained personnel should use this material.

Revision Comments

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

Issued By Health & Safety Department

Revision Date 08/07/2011

Revision 3

Supersedes date 06/11/2007 v2

Safety Data Sheet Status Approved.

Risk Phrases In Full

NC Not classified.

## 20W/50 MOTOR OIL

### Disclaimer

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.