



## SAFETY DATA SHEET A1 TECHNOBLUE 0W30 FULLY SYNTH

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

#### 1.1. Product identifier

Product name A1 TECHNOBLUE 0W30 FULLY SYNTH  
Product No. ADT001, ADT005

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

Identified uses Lubricant.

#### 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

Manufacturer 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 (EC 1272/2008)

|                               |                     |
|-------------------------------|---------------------|
| Physical and Chemical Hazards | Not classified.     |
| Human health                  | Eye Irrit. 2 - H319 |
| Environment                   | Not classified.     |

Classification (1999/45/EEC) Not classified.

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

#### 2.2. Label elements

Label In Accordance With (EC) No. 1272/2008

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|  |              |  |
|--|--------------|--|
| Signal Word                            | Warning      |  |
| Hazard Statements                      |              |  |
| Precautionary Statements               | H319         | Causes serious eye irritation.   |
|  | P101         | If medical advice is needed, have product container or label at hand.  |
|  | P102         | Keep out of reach of children.   |
|  | P280         | Wear eye and face protection.  |
|  | P305+351+338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Supplementary Precautionary Statements | P337+313     | If eye irritation persists: Get medical advice/attention.  |
|  | P264         | Wash contaminated skin thoroughly after handling.  |

**2.3. Other hazards****SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

|   |                                       |
|---|---------------------------------------|
| DIPHENYLAMINE                           | 0.061%                                |
| CAS-No.: 122-39-4                       | EC No.: 204-539-4                     |
| Classification (EC 1272/2008)           | Classification (67/548/EEC)           |
| Acute Tox. 3 - H301                     | T;R23/24/25                           |
| Acute Tox. 3 - H311                     | R33                                   |
| Acute Tox. 3 - H331                     | N;R50/53                              |
| STOT RE 2 - H373                        |                                       |
| Aquatic Acute 1 - H400                  |                                       |
| Aquatic Chronic 1 - H410                |                                       |
| DODECYLPHENOL, MIXED ISOMERS (BRANCHED) | 0.061%                                |
| CAS-No.:                                | EC No.: 310-154-3                     |
|   | Registration Number: 01-2119513207-49 |
| Classification (EC 1272/2008)           | Classification (67/548/EEC)           |
| Skin Irrit. 2 - H315                    | Repr. Cat. 3;R62.                     |
| Eye Irrit. 2 - H319                     | Xi;R36/38.                            |
| Repr. 2 - H361f                         | N;R50/53.                             |
| Aquatic Acute 1 - H400                  |                                       |
| Aquatic Chronic 1 - H410                |                                       |

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|  |                             |                                       |
|--|-----------------------------|---------------------------------------|
| PHOSPHORODITHIOIC ACID, MIXED O,O-BIS (1,3-DIMETHYLBUTYL AND ISO-PR)ESTERS, ZINC SALTS |                             | 1.2078%                               |
| CAS-No.:   | EC No.: 283-392-8           | Registration Number: 01-2119493626-26 |
| Classification (EC 1272/2008)  | Classification (67/548/EEC) |                                       |
| Skin Irrit. 2 - H315   | Xi;R38,R41.                 |                                       |
| Eye Dam. 1 - H318  | N;R51/53.                   |                                       |
| Aquatic Chronic 2 - H411   |                             |                                       |

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

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

General first aid, rest, warmth and fresh air.

#### Inhalation

In case of inhalation of spray mist: Move person into fresh air and keep at rest.

#### Ingestion

Contact physician if larger quantity has been consumed. Rinse mouth thoroughly.

#### Skin contact

Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Contact physician if irritation continues or sores develop.

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

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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**

Protective equipment for fire-fighters

Leave danger zone immediately.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of vapours and aerosol spray. Avoid contact with eyes and prolonged skin contact. Provide adequate ventilation. In case of spills, beware of slippery floors and surfaces.

**6.2. Environmental precautions**

Avoid discharge into drains, 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. Provide ventilation and confine spill. Do not allow runoff to sewer. Collect with absorbent, non-combustible material into suitable containers.

**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**

| Name          | STD | TWA - 8 Hrs          | STEL - 15 Min        | Notes |
|---------------|-----|----------------------|----------------------|-------|
| DIPHENYLAMINE | WEL | 10 mg/m <sup>3</sup> | 20 mg/m <sup>3</sup> |       |

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WEL = Workplace Exposure Limit.

**8.2. Exposure controls**

Protective equipment



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 &amp; water if skin becomes contaminated.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

|  |                              |
|--|------------------------------|
| Appearance                                   | Clear liquid.                |
| Colour                                       | Brown.                       |
| Odour  | Oil smell.                   |
| Solubility                                   | Insoluble in water           |
| Initial boiling point and boiling range (°C) | >250°C                       |
| Melting point (°C)                           | Scientifically unjustified.  |
| Relative density                             | 0.854 g/cm <sup>3</sup> 20°C |
| Vapour density (air=1)                       | Scientifically unjustified.  |
| Vapour pressure                              | Scientifically unjustified.  |
| Evaporation rate                             | Scientifically unjustified.  |
| pH-Value, Conc. Solution                     | Scientifically unjustified.  |
| Viscosity                                    | 64.0 cSt 40°C                |
| Decomposition temperature (°C)               | Scientifically unjustified.  |
| Odour Threshold, Lower                       | Scientifically unjustified.  |
| Odour Threshold, Upper                       | Scientifically unjustified.  |
| Flash point (°C)                             | 212°C                        |

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Auto Ignition Temperature (°C)

Scientifically unjustified.

Flammability Limit - Lower(%)

Scientifically unjustified.

Flammability Limit - Upper(%)

Scientifically unjustified.

Partition Coefficient

(N-Octanol/Water)

Not determined.

Oxidising properties

Not determined.

**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**

Avoid heat, flames and other sources of ignition.

**10.5. Incompatible materials**

Materials To Avoid

Strong oxidising substances.

**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**

Toxic Dose 1 - LD 50

>2000 (Lubricating oils, (petroleum), C20-50, hydrotreated neutral oil-based) mg/kg (oral rat)

Skin contact

Prolonged and frequent contact may cause redness and irritation.

Eye contact

May cause temporary eye irritation.

Health Warnings

This chemical can be hazardous when inhaled and/or touched.

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity

The product is not expected to be hazardous to the environment.

**A1 TECHNOBLUE 0W30 FULLY SYNTH****12.1. Toxicity**

LC 50, 96 Hrs, Fish mg/l 100 (estimate) (Lubricating oils, (petroleum), C20-50, hydrotreated neutral oil-based)

Acute Toxicity - Aquatic Invertebrates

Not determined.

Acute Toxicity - Aquatic Plants

Not determined.

**12.2. Persistence and degradability**

Degradability

No data available.

**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**

Not Classified as PBT/vPvB by current EU criteria.

**12.6. Other adverse effects**

Not available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

General information

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

**13.1. Waste treatment methods**

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**

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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**

Not applicable.

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

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. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

**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 04/02/2014

Revision 14

Supersedes date 10/10/2013 v13

Safety Data Sheet Status Approved.

Risk Phrases In Full

R33 Danger of cumulative effects.

R36/38 Irritating to eyes and skin.

R38 Irritating to skin.

NC Not classified.

R62 Possible risk of impaired fertility.

R41 Risk of serious damage to eyes.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

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.



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### Hazard Statements In Full

|       |   |
|-------|---|
| H301  | Toxic if swallowed.   |
| H311  | Toxic in contact with skin.   |
| H315  | Causes skin irritation.   |
| H318  | Causes serious eye damage.  |
| H319  | Causes serious eye irritation.  |
| H331  | Toxic if inhaled.   |
| H361f | Suspected of damaging fertility.  |
| H373  | May cause damage to organs <<Organs>> through prolonged or repeated exposure. |
| 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.                              |