



SAFETY DATA SHEET A1 TECHNOLUBE 5W30 C4 FULLY SYNTHETIC

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

1.1. Product identifier

Product name A1 TECHNOLUBE 5W30 C4 FULLY SYNTHETIC
Product No. ATZ001, ATZ005

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

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	Not classified.
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
No pictogram required.

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Precautionary Statements

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

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

DIPHENYLAMINE	0.0001 - <0.1%
CAS-No.: 122-39-4	EC No.: 204-539-4
Classification (EC 1272/2008) Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT RE 2 - H373 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) T;R23/24/25 R33 N;R50/53
LONG CHAIN ALKARYL AMINE	1.0 - <3.0%
CAS-No.:	EC No.: 253-249-4
	Registration Number: 05-2114603735-51
Classification (EC 1272/2008) Aquatic Chronic 4 - H413	Classification (67/548/EEC) R53.
PHOSPHORODITHIOIC ACID, MIXED O,O-BIS (1,3-DIMETHYLBUTYL AND ISO-PR)ESTERS, ZINC SALTS	0.1 - <0.3%
CAS-No.:	EC No.: 283-392-8
	Registration Number: 01-2119493626-26
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xi;R38,R41. N;R51/53.
ZINC, BIS[O,O-BIS(1,3-DIMETHYLBUTYL) PHOSPHORODITHIOATO-S,S']-(T-4)-	0.1 - <0.3%
CAS-No.:	EC No.: 272-028-3
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xi;R38. N;R51/53.

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

SECTION 4: FIRST AID MEASURES

A1 TECHNOLUBE 5W30 C4 FULLY SYNTHETIC**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.

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.

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.

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, CO₂) are formed.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific hazards

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

Protective equipment for fire-fighters

Leave danger zone immediately.

SECTION 6: ACCIDENTAL RELEASE MEASURES

A1 TECHNOLUBE 5W30 C4 FULLY SYNTHETIC**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

Do not allow ANY environmental contamination. Do not 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. The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See section 12 as well.

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. 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 ³		20 mg/m ³	

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.

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No specific recommendations.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. 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 repeated or prolonged skin contact.

Hygiene measures

Wash contaminated clothing before reuse. Wash promptly with soap & 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	Not soluble in water.
Initial boiling point and boiling range (°C)	>250°C
Melting point (°C)	Not determined.
Relative density	Scientifically unjustified. 0.850
Vapour density (air=1)	Not determined.
Vapour pressure	Scientifically unjustified.
Not determined.	Scientifically unjustified.
Evaporation rate	Not determined.
Not determined.	Scientifically unjustified.
Viscosity	Scientifically unjustified. 70 cSt 40°C
Decomposition temperature (°C)	Not determined.
Not determined.	Scientifically unjustified.
Odour Threshold, Lower	Not determined.
Not determined.	Scientifically unjustified.
Odour Threshold, Upper	Not determined.
Not determined.	Scientifically unjustified.
Flash point (°C)	216°C
Auto Ignition Temperature (°C)	Not determined.
Not determined.	Scientifically unjustified.
Flammability Limit - Lower(%)	Not determined.
Not determined.	Scientifically unjustified.
Flammability Limit - Upper(%)	Not determined.
Not determined.	Scientifically unjustified.

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Partition Coefficient

(N-Octanol/Water)

Not determined.

Scientifically unjustified.

Oxidising properties

Does not meet the criteria for oxidising.

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

Materials To Avoid

No incompatible groups noted.

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 mg/kg (oral rat)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Not regarded as dangerous for the environment.

12.1. Toxicity

LC 50, 96 Hrs, Fish mg/l >1000 mg/l

EC 50, 48 Hrs, Daphnia, mg/l >1000 mg/l

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

Not determined.

A1 TECHNOLUBE 5W30 C4 FULLY SYNTHETIC

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.

Water hazard classification

WGK 1

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 31/01/2014

Revision 1

Safety Data Sheet Status Approved.

Risk Phrases In Full

R33 Danger of cumulative effects.

R38 Irritating to skin.

R53 May cause long-term adverse effects in the aquatic environment.

NC Not classified.

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.

Hazard Statements In Full

H318 Causes serious eye damage.

H315 Causes skin irritation.

H373 May cause damage to organs <<Organs>> through prolonged or repeated exposure.

H413 May cause long lasting harmful effects to aquatic life.

H331 Toxic if inhaled.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

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.