

Safety Data Sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 10.05.2016

Version number 1

Revision: 10.05.2016

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

1.1 Product identifier

Trade name: GEAR SYN TDL 75W-90

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

No further relevant information available.

Application of the substance / the mixture: Lubricant

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

LPC S.A.

Megaridos Avenue 124

Aspropyrgos - Attica , 193 00

Tel.: 210 - 809 3900

Fax: 210 - 809 3999

e-mail: technical@cyclon.gr

1.4 Emergency telephone number:



Emergency telephone number: 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP:



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

2.2 Label elements

Labelling according to Regulation EC No 1272/2008 CLP:

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:



GHS07

Signal word: Warning

Hazard-determining components of labelling:

Polysulfides, di-tert-Bu

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched)

Safety Data Sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 10.05.2016

Version number 1

Revision: 10.05.2016

Trade name: GEAR SYN TDL 75W-90

(Contd. of page 1)

Hazard statements:

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

Precautionary statements

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.2 Chemical characterisation: Mixtures****Description:** Mixture: consisting of the following components.**Ingredients according Regulation (EU) 830/2015:**

CAS: 68037-01-4 NLP: 500-183-1	Dec-1-ene, homopolymer, hydrogenated ⚠ Asp. Tox. 1, H304	50-70%
CAS: 68937-96-2 EINECS: 273-103-3 Reg.nr.: 01-2119540515-43-XXXX	Polysulfides, di-tert-Bu ⚠ Skin Sens. 1B, H317; Aquatic Chronic 3, H412	2.5-<10%
EC number: 931-384-6 Reg.nr.: 01-2119493620-38-XXXX	Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) ⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317	1-≤2.5%

Ingredients

	Mineral oil ⚠ Asp. Tox. 1, H304	2.5-<10%
CAS: 91648-65-6 EINECS: 293-927-7 Reg.nr.: 01-2119976351-35-XXXX	1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol Aquatic Chronic 3, H412	0.1-≤2.5%

Additional information: For the wording of the listed risk phrases refer to section 16.**SECTION 4: First aid measures****4.1 Description of first aid measures****General information:**

Take affected persons out into the fresh air.

Seek immediate medical advice.

(Contd. on page 3)

GB

Safety Data Sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 10.05.2016

Version number 1

Revision: 10.05.2016

Trade name: GEAR SYN TDL 75W-90

(Contd. of page 2)

After inhalation:

In case of unconsciousness place patient stably in side position for transportation.
 Seek medical treatment in case of complaints.

After skin contact:

Wash the skin immediately with soap and water.
 Remove contaminated clothing.
 Wash contaminated clothing before use.
 If skin irritation continues, consult a doctor.

After eye contact:

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
 Check for and remove any contact lenses.
 Continue to rinse for at least 10 minutes.
 Get medical attention if irritation occurs.
 Avoid strong water jet-risk of cornea damage, consult a doctor.

After swallowing:

Drink plenty of water and provide fresh air. Call for a doctor immediately.
 Seek immediate medical advice.
 Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed Not known or expected results.

4.3 Indication of any immediate medical attention and special treatment needed

No special measures are required.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fire with foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon dioxide (CO₂)

Carbon monoxide (CO)

5.3 Advice for firefighters**Protective equipment:**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Additional information Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:**6.1.1 For non-emergency personnel**

Caution for slippery surfaces.
 Avoid contact with spilled material.
 Keep away from ignition sources.

6.1.2 For emergency responders

Use antistatic and slip resistant boots.
 Stop further leakage, if possible.
 Use chemicals resistant gloves.
 Use safety goggles, in case of contact with the eyes.
 Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Prevent from spreading (e.g. by damming-in or oil barriers).
 Do not allow to enter sewers/ surface or ground water.

(Contd. on page 4)

Safety Data Sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 10.05.2016

Version number 1

Revision: 10.05.2016

Trade name: GEAR SYN TDL 75W-90

(Contd. of page 3)

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel).

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Avoid contact with skin, eyes and clothing.

Use adequate personal protective equipment as required. For more information regarding protective equipment see section 8.

Information about fire - and explosion protection: Keep away from heat, sparks, open flames and hot surfaces.**7.2 Conditions for safe storage, including any incompatibilities****Storage:** Store in cool, dry conditions in well sealed receptacles.**Requirements to be met by storerooms and receptacles:** Store in a cool location.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:**

Keep container tightly sealed.

Protect from heat and direct sunlight.

7.3 Specific end use(s) No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls**8.2.1. Appropriate engineering controls**

It is recommended that the product is stored and handled in closed systems.

Personal protective equipment**General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Respiratory protection: Not required.**Protection of hands:**

Protective gloves

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 5)

GB

Safety Data Sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 10.05.2016

Version number 1

Revision: 10.05.2016

Trade name: GEAR SYN TDL 75W-90

(Contd. of page 4)

Penetration time of glove material

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

Eye protection:

Tightly sealed goggles

Body protection:

Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties**General Information****Appearance:**

Form:	Liquid
Colour:	brown
Odour:	Oil
Odour threshold:	Not determined

pH value:	Not determined
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined

Flash point:	210 °C
---------------------	--------

Flammability (solid, gaseous):	Not applicable
---------------------------------------	----------------

Auto-ignition temperature:	Not determined
-----------------------------------	----------------

Decomposition temperature:	Not determined
-----------------------------------	----------------

Self-igniting:	Product is not selfigniting.
-----------------------	------------------------------

Danger of explosion:	Product does not present an explosion hazard.
-----------------------------	---

Explosion limits:	
Lower:	Not determined
Upper:	Not determined
Oxidising properties	Not considered as oxidising.

Vapour pressure:	Not determined
-------------------------	----------------

Density:	0,863 g/cm ³
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not determined

Solubility in / Miscibility with water:	Not miscible
aliphatic hydrocarbons:	Fully miscible.
aromatic hydrocarbons:	Fully miscible.

(Contd. on page 6)

Safety Data Sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 10.05.2016

Version number 1

Revision: 10.05.2016

Trade name: GEAR SYN TDL 75W-90

(Contd. of page 5)

Partition coefficient (n-octanol/water): Not determined

Viscosity:

Dynamic: Not determined

Kinematic at 40 °C: 92,7 cSt

Kinematic viscosity at 100 °C: 14,4 cSt

9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity**10.1 Reactivity** Stable under normal conditions**10.2 Chemical stability** Material is stable under normal conditions.**Thermal decomposition / conditions to be avoided** Stable at environment temperature.**10.3 Possibility of hazardous reactions** No dangerous reactions known.**10.4 Conditions to avoid** Oxidising agents**10.5 Incompatible materials** No further relevant information available.**10.6 Hazardous decomposition products** No dangerous decomposition products known.**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity** Based on available data, the classification criteria are not met.**Skin corrosion/irritation** Based on available data, the classification criteria are not met.**Serious eye damage/irritation**

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:** No further relevant information available.**12.2 Persistence and degradability** No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects**

(Contd. on page 7)

GB

Safety Data Sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 10.05.2016

Version number 1

Revision: 10.05.2016

Trade name: GEAR SYN TDL 75W-90

(Contd. of page 7)

SECTION 15: Regulatory information

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

REACH Regulation 1907/2006/EC

Regulation (EU) 2015/830

CLP Regulation 1272/2008/EC

Constituents of the mixture that fall within the scope of REACH Regulation 1907/2006/EC, have been (pre)-registered from their suppliers.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

National regulations: No further information available.

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57

It doesn't contain substances of very high concern (SVHC).

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Training hints

Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity, Hazard Category 4

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Skin Sens. 1B: Sensitisation - Skin, Hazard Category 1B

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3