

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

Printing date 20.06.2017

Version number 1

Revision: 20.06.2017

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** GEAR SYN G/HZ SAE 75W80**Registration number:** Substances contained in the mixture have already (pre)-registered by the suppliers.**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:**

GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

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:

GHS09

Signal word: Void**Hazard statements:**

H411 Toxic to aquatic life with long lasting effects.

(Contd. on page 2)

—GB—

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Revision: 20.06.2017

Trade name: GEAR SYN G/HZ SAE 75W80

(Contd. of page 1)

Precautionary statements

P102 Keep out of reach of children.

P273 Avoid release to the environment.

P391 Collect spillage.

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

Additional information:

EUH208 Contains Alkylamine trialkyldithiophosphate phosphate. May produce an allergic reaction.

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**Ingredients according Regulation (EU) 830/2015:**

EC number: 931-551-3	Methacrylate Copolymer ⚠ Eye Irrit. 2, H319	2.5-<10%
	Alkylamine trialkyldithiophosphate phosphate ⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Skin Sens. 1B, H317	0.25-<1%
CAS: 112-90-3 EINECS: 204-015-5 Index number: 612-283-00-3	(Z)-octadec-9-enylamine ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10); ⚠ Acute Tox. 4, H302; STOT SE 3, H335	0.25-<1%

Ingredients

CAS: 72623-87-1 EINECS: 276-738-4 Index number: 649-483-00-5	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	50-100%
CAS: 36878-20-3 EINECS: 253-249-4 Reg.nr.: 01-2119488911-28-XXXX	bis(nonylphenyl)amine Aquatic Chronic 4, H413	0.1-≤2.5%
CAS: 89347-09-1	2,5-bis(tert-nonyldithio)-1,3,4-thiadiazole Aquatic Chronic 3, H412	0.1-<2.5%

SECTION 4: First aid measures**4.1 Description of first aid measures****General information:** Take affected persons out into the fresh air.**After inhalation:** Seek medical treatment in case of complaints.**After skin contact:**

Wash contaminated clothing before use.

Remove contaminated clothing.

In case of skin irritation, consult a physician.

After eye contact: Avoid strong water jet-risk of cornea damage, consult a doctor.

(Contd. on page 3)

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Version number 1

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Trade name: GEAR SYN G/HZ SAE 75W80

(Contd. of page 2)

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 fires with water spray.

Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture In case of fire, the following can be released:

5.3 Advice for firefighters**Protective equipment:**

Wear fully protective suit.

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:**

Wear protective equipment. Keep unprotected persons away.

6.1.1 For non-emergency personnel

Keep away from ignition sources.

Caution for slippery surfaces.

Avoid contact with skin and eyes.

Avoid contact with spilled material.

6.1.2 For emergency responders

Use chemicals resistant gloves.

Use antistatic and slip resistant boots.

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.

Do not allow to penetrate the ground/soil.

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.

(Contd. on page 4)

**complying with Regulation 1907/2006/EC (REACH Regulation),
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Printing date 20.06.2017

Version number 1

Revision: 20.06.2017

Trade name: GEAR SYN G/HZ SAE 75W80

(Contd. of page 3)

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

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Protect from heat and direct sunlight.

Store in cool, dry conditions in well sealed receptacles.

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Prevent any seepage into the ground.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

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 Use of local ventilation is advised.

Personal protective equipment

General protective and hygienic measures: Wash hands before breaks and at the end of work.

Respiratory protection: Not required.

Protection of hands:

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:



Goggles recommended during refilling

Body protection: Oil resistant protective clothing

Environmental exposure controls: No further recommendations. See section 6.

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

(Contd. on page 5)

**complying with Regulation 1907/2006/EC (REACH Regulation),
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Version number 1

Revision: 20.06.2017

Trade name: GEAR SYN G/HZ SAE 75W80

(Contd. of page 4)

Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined
Pour point	<-36 °C
Flash point:	Not Flammable
Flammability (solid, gas):	Not applicable
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	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:	Not determined
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not determined
Solubility in / Miscibility with water:	Not miscible
Partition coefficient: n-octanol/water:	Not determined
Viscosity:	
Dynamic:	Not determined
Kinematic at 40 °C:	51.7
Kinematic viscosity at 100 °C	9.4
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.

—GB—

(Contd. on page 6)

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Version number 1

Revision: 20.06.2017

Trade name: GEAR SYN G/HZ SAE 75W80

(Contd. of page 5)

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 Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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.

Ecotoxicological effects:

Remark: Toxic for fish

Additional ecological information:

General notes:

Also poisonous for fish and plankton in water bodies.

The product contains materials that are harmful to the environment.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects

Uncontrolled release of the product to the environment must be prohibited.

The product floats on water and does not mix with it.

Spillage of the product may form a layer on the water surface which can damage aquatic organism due to lack of oxygenation.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

In case of discarding waste oil, according European Directive 75/439/EEC, recycling of the product is recommended. Disposal of large amounts must be carried out from qualified, authorized body.

(Contd. on page 7)

—GB—

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EU 2015/830 and Regulation No 1272/2008/EC (CLP)**

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Version number 1

Revision: 20.06.2017

Trade name: GEAR SYN G/HZ SAE 75W80

(Contd. of page 6)



Dispose according to National Regulations.



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact manufacturer for recycling information.

Uncleaned packaging:**Recommendation:**

Disposal must be made according to official regulations.

Packaging may be reused or recycled after cleaning.

SECTION 14: Transport information**14.1 UN-Number****ADR, IMDG, IATA**

UN3082

14.2 UN proper shipping name**ADR**

3082 ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S. ((Z)-octadec-9-enylamine)
ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. ((Z)-octadec-9-enylamine), MARINE
POLLUTANT
ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. ((Z)-octadec-9-enylamine)

IMDG**IATA****14.3 Transport hazard class(es)****ADR, IMDG, IATA****Class**

9 Miscellaneous dangerous substances and articles.

Label

9

14.4 Packing group**ADR, IMDG, IATA**

III

14.5 Environmental hazards:

Environmental Hazardous

Product contains environmentally hazardous substances: (Z)-octadec-9-enylamine

Marine pollutant:

Yes

Symbol (fish and tree)

Symbol (fish and tree)

Symbol (fish and tree)

Special marking (ADR):**Special marking (IATA):****14.6 Special precautions for user**

Warning: Miscellaneous dangerous substances and articles.

Danger code (Kemler):

90

EMS Number:

F-A,S-F

Stowage Category

A

(Contd. on page 8)

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

Printing date 20.06.2017

Version number 1

Revision: 20.06.2017

Trade name: GEAR SYN G/HZ SAE 75W80

(Contd. of page 7)

**14.7 Transport in bulk according to Annex II of
Marpol and the IBC Code**

Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ)

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Transport category

3

IMDG

Limited quantities (LQ)

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation":

UN 3082 ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S. ((Z)-OCTADEC-9-
ENYLAMINE), 9, III

SECTION 15: Regulatory information

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

Note L applies. DMSO content is below 3%.

REACH Regulation 1907/2006/EC

Regulation (EU) 2015/830

CLP Regulation 1272/2008/EC

Directive 2012/18/EU

Named dangerous substances - ANNEX I Substance is not listed.

Seveso category E2 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

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.

(Contd. on page 9)

**complying with Regulation 1907/2006/EC (REACH Regulation),
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Trade name: GEAR SYN G/HZ SAE 75W80

(Contd. of page 8)

H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H373 May cause damage to 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.
H412 Harmful to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.

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.

Department issuing SDS:

SUSTCHEM Engineering Ltd
REACH & Chemical Services Department
144, 3rd Septemvriou, GR 112 51, Athens, Greece
Tel.: +30 210 8252510 Fax: +30 210 8252575
E-mail: info@suschem.gr
Website: www.sustchem.gr

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 – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1B: Skin sensitisation – Category 1B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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