

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

Printing date 15.05.2018

Version number 1

Revision: 15.05.2018

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name:** MAGMA SYN ULTRA-S 5W20**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:**

European Emergency Tel.: 112

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation EC No 1272/2008 CLP:**

Aquatic Chronic 3 H412 Harmful 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:** Void**Signal word:** Void**Hazard statements:**

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P102 Keep out of reach of children.

P273 Avoid release to the environment.

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.

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**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: 64742-54-7<br>EINECS: 265-157-1<br>Index number: 649-467-00-8<br>Reg.nr.: 01-2119484627-25-XXXX     | Distillates (petroleum), hydrotreated heavy paraffinic<br>☠ Asp. Tox. 1, H304  | 50-100%      |
| CAS: 147880-09-9<br>EC number: 604-611-9   | Amines, polyethylenepoly-, reaction products with 1,3-dioxolan-2-one and succinic anhydride<br>monopolyisobutenyl derivs<br>Aquatic Chronic 4, H413      | ≥0.1-≤2.5%   |
| CAS: 36878-20-3<br>EINECS: 253-249-4<br>Reg.nr.: 01-2119488911-28-XXXX                                   | bis(nonylphenyl)amine<br>Aquatic Chronic 4, H413   | ≥0.1-≤2.5%   |
| CAS: 121158-58-5<br>EC number: 310-154-3<br>Index number: 604-092-00-9<br>Reg.nr.: 01-2119513207-49-XXXX | phenol, dodecyl-, branched<br>☠ Repr. 1B, H360F; ☠ Skin Corr. 1C, H314; Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10) | ≥0.025-<0.1% |

**Ingredients**

|  |   |            |
|--|---|------------|
| CAS: 4259-15-8<br>EINECS: 224-235-5<br>Reg.nr.: 01-2119493635-27-XXXX  | 2-ethylhexyl zinc dithiophosphate<br>☠ Eye Dam. 1, H318; ☠ Aquatic Chronic 2, H411  | ≥0.25-<1%  |
| CAS: 722503-69-7   | Calcium long chain alkaryl sulfonate<br>Aquatic Chronic 4, H413   | ≥0.1-≤2.5% |
| CAS: 134758-95-5<br>EC number: 603-861-6                               | Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivs., borated<br>Aquatic Chronic 4, H413   | ≥0.1-≤2.5% |
| CAS: 68784-31-6<br>EINECS: 272-238-5<br>Reg.nr.: 01-2119657973-23-XXXX | Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts<br>☠ Eye Dam. 1, H318; ☠ Aquatic Chronic 2, H411                                     | ≥0.25-<1%  |
| CAS: 186432-61-1<br>EC number: 606-084-0                               | Amines, polyethylenepoly-, reaction products with molybdenum oxide (MoO <sub>2</sub> ) and succinic anhydride polyisobutenyl derivs., sulfurized<br>Aquatic Chronic 4, H413 | ≥0.1-≤2.5% |
| CAS: 68784-26-9<br>EINECS: 272-234-3<br>Reg.nr.: 01-2119524004-56-XXXX | Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased<br>Aquatic Chronic 4, H413   | ≥0.1-≤2.5% |

**Additional information:**

The classification as a carcinogen does not need to apply because the substance Distillates (petroleum), hydrotreated heavy paraffinic contains less than 3 % DMSO extract.

For the wording of the listed hazard phrases refer to section 16.

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#### 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:**

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.

**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:**

CO<sub>2</sub>, 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:**

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:

Particular danger of slipping on leaked/spilled product.

Avoid contact with oxidising agents.

Wear protective equipment. Keep unprotected persons away.

###### 6.1.1 For non-emergency personnel

Caution for slippery surfaces.

Avoid contact with skin and eyes.

Avoid contact with dripping or leaking material

###### 6.1.2 For emergency responders

Use chemicals resistant gloves.

Use antistatic and slip resistant boots.

Wear protective equipment. Keep unprotected persons away.

First-aid responders must wear protective clothing, gloves, goggles and respiratory device.

##### 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.

##### 6.3 Methods and material for containment and cleaning up:

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

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

During the use of this product no appropriate engineering controls are needed.

**Personal protective equipment**

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

**Respiratory protection:** Not required under normal conditions of use.

**Eye protection:** Not required under normal conditions of use.

**Body protection:** Not required under normal conditions of use.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:**

|                         |                              |
|-------------------------|------------------------------|
| <b>Form:</b>            | Liquid                       |
| <b>Colour:</b>          | brown                        |
| <b>Odour:</b>           | Characteristic of lubricants |
| <b>Odour threshold:</b> | Not determined               |

|                  |                |
|------------------|----------------|
| <b>pH value:</b> | Not determined |
|------------------|----------------|

|                                      |                |
|--------------------------------------|----------------|
| <b>Melting point/freezing point:</b> | Not determined |
|--------------------------------------|----------------|

|   |                |
|---|----------------|
| <b>Initial boiling point and boiling range:</b> | Not determined |
|---|----------------|

|                     |               |
|---------------------|---------------|
| <b>Flash point:</b> | Not Flammable |
|---------------------|---------------|

|                                   |                |
|-----------------------------------|----------------|
| <b>Flammability (solid, gas):</b> | Not applicable |
|-----------------------------------|----------------|

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|  |   |
|--|---|
| <b>Auto-ignition temperature:</b>              | Not determined                                |
| <b>Decomposition temperature:</b>              | Not determined                                |
| <b>Auto-ignition temperature:</b>              | Product is not selfigniting.                  |
| <b>Explosive properties:</b>                   | Product does not present an explosion hazard. |
| <b>Explosion limits:</b>                       |   |
| <b>Lower:</b>                                  | Not determined                                |
| <b>Upper:</b>                                  | Not determined                                |
| <b>Vapour pressure:</b>                        | Not determined                                |
| <b>Density:</b>                                | Not determined                                |
| <b>Relative density</b>                        | Not determined                                |
| <b>Vapour density</b>                          | Not determined                                |
| <b>Evaporation rate</b>                        | Not determined                                |
| <b>Solubility in / Miscibility with water:</b> | Not miscible                                  |
| <b>aliphatic hydrocarbons:</b>                 | Fully miscible.                               |
| <b>aromatic hydrocarbons:</b>                  | Fully miscible.                               |
| <b>Partition coefficient: n-octanol/water:</b> | Not determined                                |
| <b>Viscosity:</b>                              |   |
| <b>Dynamic:</b>                                | Not determined                                |
| <b>Kinematic at 40 °C:</b>                     | > 40 mm <sup>2</sup> /s                       |
| <b>9.2 Other information</b>                   | 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** No further relevant information available.

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

**Respiratory or skin sensitisation** May cause skin sensitisation.

**Repeated dose toxicity** Based on the data, the classification criteria are not fulfilled.

**CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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**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:** Harmful to fish**Additional ecological information:****General notes:**

The product contains materials that are harmful to the environment.

Harmful to aquatic organisms

**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**

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.

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**SECTION 14: Transport information**

|  |                 |
|--|-----------------|
| <b>14.1 UN-Number</b>  |                 |
| ADR, ADN, IMDG, IATA   | Void            |
| <b>14.2 UN proper shipping name</b>  |                 |
| ADR, ADN, IMDG, IATA   | Void            |
| <b>14.3 Transport hazard class(es)</b>   |                 |
| ADR, ADN, IMDG, IATA   |                 |
| Class  | Void            |
| <b>14.4 Packing group</b>  |                 |
| ADR, IMDG, IATA  | Void            |
| <b>14.5 Environmental hazards:</b>   |                 |
| <b>Marine pollutant:</b>   | No              |
| <b>14.6 Special precautions for user</b>                                       | Not applicable. |
| <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable. |
| <b>UN "Model Regulation":</b>  | Void            |

**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

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as ammended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as ammended

**Directive 2012/18/EU****Named dangerous substances - ANNEX I** Substance is not listed.**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**

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

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H360F May damage fertility.

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.

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.

**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

Skin Corr. 1C: Skin corrosion/irritation – Category 1C

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Repr. 1B: Reproductive toxicity – Category 1B

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 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4