

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

Printing date 07.06.2016

Version number 1

Revision: 07.06.2016

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

1.1 Product identifier

Trade name: ATF S-1A

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:

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

P273 Avoid release to the environment.

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

Additional information:

EUH208 Contains Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs., 1-(tert-dodecylthio)propan-2-ol, 1,2-Propanediol, 3-amino-, N,N-dicoco alkyl derivs., Benzene, polypropene derivatives, sulfonated, calcium salts, C14-18 alpha-olefin epoxide, reaction products with boric acid. May produce an allergic reaction.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

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SECTION 3: Composition/information on ingredients**3.2 Chemical characterisation: Mixtures****Description:** Mixture**Ingredients according Regulation (EU) 830/2015:**

| | | |
|--|--|-----------|
| CAS: 72623-87-1 EINECS: 276-738-4 Index number: 649-483-00-5 | Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified ⚠ Asp. Tox. 1, H304 | 60-90% |
| EC number: 800-172-4 Reg.nr.: 01-2119969520-35-XXXX | Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich ⚠ Aquatic Chronic 2, H411 | 0.1-≤2.5% |
| ELINCS: 471-920-1 Reg.nr.: 01-0000019770-68-XXXX | Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs. ⚠ Skin Sens. 1B, H317 | 0.1-<1% |
| ELINCS: 482-000-4 Reg.nr.: 01-0000020142-86-XXXX | 1,2-Propanediol, 3-amino-, N,N-dicoco alkyl derivs. ⚠ Skin Sens. 1B, H317; Aquatic Chronic 3, H412 | 0.1-<1% |
| CAS: 67124-09-8 EINECS: 266-582-5 Reg.nr.: 01-2119953277-30-XXXX | 1-(tert-dodecylthio)propan-2-ol ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Sens. 1, H317 | 0.1-<1% |
| Polymer | Benzene, polypropene derivatives, sulfonated, calcium salts ⚠ Skin Sens. 1B, H317 | 0.1-<1% |
| Polymer Reg.nr.: 01-2119976364-28-XXXX | C14-18 alpha-olefin epoxide, reaction products with boric acid ⚠ Skin Sens. 1B, H317 | 0.1-<1% |
| CAS: 61791-44-4 EINECS: 263-177-5 | Ethanol, 2,2'-iminobis-, N-tallow alkylderivs. ⚠ Met. Corr. 1, H290; Skin Corr. 1C, H314; Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); ⚠ Acute Tox. 4, H302 | <0.1% |

Ingredients

| | | |
|--|---|-----------|
| CAS: 64742-55-8 EINECS: 265-158-7 Index number: 649-468-00-3 Reg.nr.: 01-2119487077-29-XXXX | Distillates (petroleum), hydrotreated light paraffinic ⚠ Asp. Tox. 1, H304 | 2.5-<10% |
| | Mineral oil ⚠ Asp. Tox. 1, H304 | 2.5-<10% |
| CAS: 368782-02-3 EINECS: 253-249-4 Reg.nr.: 01-2119488911-28-XXXX | bis(nonylphenyl)amine Aquatic Chronic 4, H413 | 0.1-≤2.5% |
| CAS: 1809-19-4 EINECS: 217-316-1 | dibutyl phosphonate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319 | 0.1-≤2.5% |

Additional information:

The classification as a carcinogen does not need to apply because the substance Lubricating oils (petroleum), C20-50 hydrotreated neutral oil-based (cas number: 72623-87-1) contains less than 3 % DMSO extract.

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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:

Wash the skin immediately with soap and water.

Remove contaminated clothing.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

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 monoxide (CO)

Carbon dioxide (CO₂)

5.3 Advice for firefighters

Protective equipment: Use of protective clothes and respiratory device is being recommended 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

Keep away from ignition sources.

Caution for slippery surfaces.

6.1.2 For emergency responders

Use chemicals resistant gloves.

Use safety goggles, in case of contact with the eyes.

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).

Control leakage with a non combustible absorbent material, such as earth or sand.

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).

6.4 Reference to other sections:

See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

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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 sources of ignition and flammable materials.

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.

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:



Protective gloves

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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.

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.

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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 |
| Melting point/Melting range: | Not determined |
| Boiling point/Boiling range: | Not determined |

| | |
|---------------------|----------------|
| Flash point: | Not determined |
|---------------------|----------------|

| | |
|---------------------------------------|----------------|
| 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: | Not determined |
| 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. |

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

| | |
|----------------------------|----------------|
| Viscosity: | |
| Dynamic: | Not determined |
| Kinematic at 40 °C: | >20 cSt |

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

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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.



Dispose according to National Regulations.



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

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

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%.

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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 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 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

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

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.

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)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Met. Corr. 1: Corrosive to metals, Hazard Category 1

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C

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Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
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 Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic 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

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