

**Safety data sheet**  
**complying with Regulation 1907/2006/EC (REACH Regulation),**  
**EU 2020/878 and Regulation No 1272/2008/EC (CLP)**

Printing date 30.07.2021

Version number 1

Revision: 30.07.2021

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name: ATF PROTECT 8HP****Description / Product Code: FORMULA ID: 71****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:**

Company responsible for the placing on the market:

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.

**Additional information:**

EUH208 Contains 4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate. May produce an allergic reaction.

**2.3 Other hazards****Results of PBT and vPvB assessment****PBT: Not applicable.**

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vPvB: Not applicable.

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**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Description:** Mixture: consisting of the following components.**Ingredients according Regulation (EU) 2020/878:**

CAS: 72623-87-1 EINECS: 276-738-4 Index number: 649-483-00-5 Reg.nr.: 01-2119474889-13-XXXX	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based ☠ Asp. Tox. 1, H304	≥50-<90%
CAS: 36878-20-3 EINECS: 253-249-4 Reg.nr.: 01-2119488911-28-XXXX	Bis(nonylphenyl)amine Aquatic Chronic 4, H413	≤2.5%
CAS: 125643-61-0 ELINCS: 406-040-9 Index number: 607-530-00-7 Reg.nr.: 01-0000015551-76-XXXX	reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate Aquatic Chronic 4, H413	≤2.5%
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 ☠ Acute Tox. 3, H331; ☠ Asp. Tox. 1, H304	≤2.5%
CAS: 64742-56-9 EINECS: 265-159-2 Index number: 649-469-00-9 Reg.nr.: 01-2119480132-48-XXXX	Distillates (petroleum), solvent-dewaxed light paraffinic ☠ Asp. Tox. 1, H304	≤2.5%
CAS: 72623-86-0 EINECS: 276-737-9 Index number: 649-482-00-X Reg.nr.: 01-2119474878-16-XXXX	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based ☠ Asp. Tox. 1, H304	≤2.5%
EC number: 701-204-9 Reg.nr.: 01-2119960832-33-XXXX	Isooctadecanoic acid, reaction products with tetraethylenepentamine ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	≤2.5%
ELINCS: 424-820-7 Reg.nr.: 01-0000017126-75-XXXX	Alkyl phosphites ☠ Skin Corr. 1B, H314; ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H312	≥0.25-<1%
CAS: 93882-40-7 EINECS: 299-434-3	4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate ☠ Aquatic Chronic 2, H411; ⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317	≥0.1-<0.25%

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**Additional information:** For the wording of the listed hazard 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.**After inhalation:**

If breathing is difficult, remove to fresh air. Restore breathing. Keep warm and quiet. Notify physician.  
Seek medical treatment in case of complaints.

**After skin contact:**

Remove contaminated clothing.  
Wash the skin immediately with soap and water.  
In case of skin irritation, consult a physician.

**After eye contact:**

Rinse eyes immediately with plenty of water, alternately lifting the upper and lower eyelids.  
Remove contact lenses and continue rinsing for several minutes  
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**

No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**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.

Foam

Sand or earth

Use fire extinguishing methods suitable to surrounding conditions.

**5.2 Special hazards arising from the substance or mixture** No further relevant information available.**5.3 Advice for firefighters****Protective equipment:**

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

Wear protective goggles.

**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**

Avoid contact with dripping or leaking material

Contact emergency personnel.

Ensure sufficient ventilation.

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Caution for slippery surfaces.

Use personal protective equipment.

**6.1.2 For emergency responders**

Wear protective equipment. Keep unprotected persons away.

First-aid responders must wear protective clothing, gloves, goggles and respiratory device with filter type A.

**6.2 Environmental precautions:** 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).

Dispose contaminated material as waste according to item 13.

**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** No special precautions are necessary if used correctly.**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.

**DNELs**

(CAS: 72623-87-1) Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based

Workers

Long-term exposure, local effects, inhalation: 5.6 mg/m<sup>3</sup>Long-term exposure, systemic effects, inhalation: 2.7 mg/m<sup>3</sup>

Long-term exposure, systemic effects, dermal: 1 mg/kg bw/day

Consumers

Long-term exposure, systemic effects, dermal: 0.74 mg/kg bw/day

(CAS: 36878-20-3) Bis(nonylphenyl)amine

Workers

Exposure: Dermal

Long-term - systemic effects

Value: 0.62 mg/kg

Exposure: Inhalation

Long-term - systemic effects

Value: 4.37 mg/m<sup>3</sup>

Consumers

Exposure: Dermal

Long-term - systemic effects

Value: 0.31 mg/kg

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Exposure: Inhalation

Long-term - systemic effects

Value: 1.09 mg/m<sup>3</sup>

Exposure: Oral

Long-term - systemic effects

Value: 0.31 mg/kg

**PNECs**

(CAS: 36878-20-3) Bis(nonylphenyl)amine

Freshwater: 0.1 mg/l

Marine water: 0.01 mg/l

Intermittent release: 1 mg/l

Sewage Treatment Plant: 1 mg/l

Freshwater sediment: 132000 mg/kg

Marine water sediment: 13200 mg/kg

Soil: 263000 mg/kg

**8.2 Exposure controls****8.2.1. Appropriate engineering controls** Provide adequate ventilation.**Individual protection measures, such as personal protective equipment****General protective and hygienic measures:** Wash hands before breaks and at the end of work.**Respiratory protection:**

In case of insufficient ventilation use suitable respiratory protective device.

**Hand protection**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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 exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions.

Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

**Eye/face protection**

Goggles recommended during refilling

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**Body protection:**


Chemical resistant protective suit.

**Environmental exposure controls** Do not release the product into the environment without control.

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

<b>Physical state</b>	Liquid
<b>Colour:</b>	Brown
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined
<b>Flammability</b>	Not applicable
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined
<b>Upper:</b>	Not determined
<b>Flash point:</b>	210 °C
<b>Auto-ignition temperature:</b>	Product is not selfigniting.
<b>Decomposition temperature:</b>	Not determined
<b>pH</b>	Not determined
<b>Viscosity:</b>	
<b>Kinematic viscosity at 40 °C</b>	29.2 mm <sup>2</sup> /s
<b>Kinematic viscosity at 100 °C</b>	6 mm <sup>2</sup> /s
<b>Dynamic:</b>	Not determined
<b>Solubility</b>	
<b>water:</b>	Not determined
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined
<b>Vapour pressure:</b>	Not determined
<b>Density and/or relative density</b>	
<b>Density:</b>	0.835 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined
<b>Vapour density</b>	Not determined

**9.2 Other information**

<b>Appearance:</b>	
<b>Form:</b>	Liquid
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Auto-ignition temperature:</b>	Not determined
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Solvent content:</b>	
<b>VOC (EC)</b>	0.00 %
<b>Cloud point / clarification point:</b>	
<b>Oxidising properties</b>	Not oxidising
<b>Evaporation rate</b>	Not determined

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**Information with regard to physical hazard classes**

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

**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 hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity** Based on available data, the classification criteria are not met.**LD/LC50 values relevant for classification:**

(CAS: 36878-20-3) Bis(nonylphenyl)amine

Acute oral toxicity

LD50 rat: &gt; 5,000 mg/kg

Method: OECD 401

Substance tested: Comparison

Acute inhalation toxicity

the study is scientifically unjustified

Acute dermal toxicity

LD50 rat: &gt; 2,000 mg/kg

Method: OECD 402

Substance tested: Comparison

(CAS: 72623-87-1) Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based

LD50, oral, rat: &gt; 5000 mg/kg

LD50, dermal, rabbit: &gt; 2000 mg/kg

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LC50 (4h), inhalation, rat:  $\geq 5.53$  mg/l (dust/mists)**ATE (Acute Toxicity Estimates)**Inhalative | LC50/4h (dusts and mists) |  $>461-4,608$  mg/l (rat)**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.**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.**Additional toxicological information:****Repeated dose toxicity** Based on available data, the classification criteria are not met.**11.2 Information on other hazards****Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:**

(CAS: 36878-20-3) Bis(nonylphenyl)amine

Toxicity to fish

LC50 (Danio rerio (zebra fish)):  $> 100$  mg/l

Exposure time: 96 h

Test method: static test

Method: OECD 203

Toxicity to daphnia and other aquatic invertebrates

EC50 (Daphnia magna):  $> 100$  mg/l

Exposure time: 48 h

Test method: static test

Method: OECD TG 202

EC50 (Desmodesmus subspicatus (green algae)):  $> 100$  mg/l

Exposure time: 72 h

Test method: static test

Method: OECD TG 201

(CAS: 36878-20-3) Bis(nonylphenyl)amine

Toxicity to invertebrates

EC50 (48h): 733 mg/l

Toxicity to algae

EC50 (72h, growth rate): 600 mg/l

Toxicity to fish

LC50 (96h):  $>10,000$  mg/l

(CAS: 72623-87-1) Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based

LC50, fish:  $>100$  mg/l**12.2 Persistence and degradability** No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.

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**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 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects**

**Remark:** Harmful to fish

**Additional ecological information:**

**General notes:**

The product contains materials that are harmful to the environment.

Harmful to aquatic organisms

**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.

**Waste disposal key:** 13 02 06\* synthetic engine, gear and lubricating oils

**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 or ID number**

ADR, IMDG, IATA

Void

**14.2 UN proper shipping name**

ADR, IMDG, IATA

Void

**14.3 Transport hazard class(es)**

ADR, ADN, IMDG, IATA

Class

Void

**14.4 Packing group**

ADR, IMDG, IATA

Void

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**14.5 Environmental hazards:**

**Marine pollutant:** No

**14.6 Special precautions for user** Not applicable.

**14.7 Maritime transport in bulk according to IMO instruments** Not applicable.

**UN "Model Regulation":** 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) 2020/878

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** None of the ingredients is listed.

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

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148**

**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**National regulations:**

**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.

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H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
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.

**Department issuing SDS:**

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**Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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)  
DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
SVHC: Substances of Very High Concern  
vPvB: very Persistent and very Bioaccumulative  
Acute Tox. 4: Acute toxicity – Category 4  
Acute Tox. 3: Acute toxicity – Category 3  
Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Skin Sens. 1: Skin sensitisation – Category 1  
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  
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