



# Safety Data Sheet

Complying with Regulation 1907/2006/EC (REACH Regulation),  
EU2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date: 23.06.2016

Version number 1

Revision: 10.06.2016

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

### 1.1 Product identifier

Trade name: **CYCLON HTO THERMO**

### 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:+30 210 7793777

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation EC No 1272/2008 CLP:

The product is not classified according to the CLP regulation.

### 2.2 Label elements

**Labelling according to Regulation EC No 1272/2008 CLP:** Void

**Hazard pictograms:** Void

**Signal word:** Void

**Hazard statements:** Void

### 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 characterization: consisting of the following components.

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

Ingredients:		
CAS Number: 41484-35-9	Thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate]	0.9-<1.9%
EC-Number: 255-392-8	-----	

**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:**No special measures required.Take affected persons out into the fresh air.

**After inhalation:** Seek medical treatment in case of complaints.

**After skin contact:**Immediately wash with water and soap and rinse thoroughly.

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.



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**After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.  
Seek immediate medical advice.

#### **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.  
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:

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

### **5.3 Advice for firefighters**

#### **Protective equipment:**

Mouth respiratory protective device.

Wear fully protective suit.

#### **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:**

Keep away from ignition sources.  
Particular danger of slipping on leaked/spilled product.

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

Keep away from ignition sources.  
Caution for slippery surfaces.  
Avoid contact with skin and eyes.

#### **6.1.2 For emergency responders**

Use chemicals resistant gloves.  
Use antistatic and slip resistant boots.

### **6.2 Environmental precautions:** No special measures required.

### **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** 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:**

**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:**

Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.



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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

#### Personal protective equipment

#### General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

**Respiratory protection:** Not required.

**Protection of hands:** Not required under normal conditions of use.

**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:** 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	
<b>Appearance:</b>	
<b>Form:</b>	Liquid
<b>Colour:</b>	Fair yellow
<b>Odour:</b>	Oil
<b>Odour threshold:</b>	Not determined
<b>pH value:</b>	Not determined
<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	Not determined
<b>Flashpoint: °C</b>	>180
<b>Flammability (solid, gaseous):</b>	Not applicable
<b>Auto-ignition temperature:</b>	Not determined
<b>Decomposition temperature:</b>	Not determined
<b>Self-igniting:</b>	Product is not self-igniting
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	Not determined
<b>Lower:</b>	Not determined
<b>Upper:</b>	Not determined
<b>Vapour pressure:</b>	Not determined
<b>Density @ 15°C:</b>	0,868
<b>Relative density:</b>	Not determined
<b>Evaporation rate:</b>	Not determined
<b>Vapour density:</b>	Not determined
<b>Solubility in / Miscibility with water:</b>	Not miscible
<b>Partition coefficient (n-octanol/water):</b>	Not determined



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<b>Viscosity :</b> <b>Dynamic</b>	Not determined
<b>Kinematic @ 100 °C:</b>	5,3cst
<b>Kinematic @40 °C:</b>	30 cSt
<b>Pourpoint, °C</b>	-24
<b>9.2 Other information</b>	No further relevant information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

### 10.2 Chemical stability

#### Thermal decomposition / conditions to be avoided

No decomposition if used and stored according to specifications.

Stable at environment temperature.

**10.3 Possibility of hazardous reactions** No dangerous reactions known.

**10.4 Conditions to avoid** Oxidizing 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

#### Primary irritant effect:

**Skin corrosion/irritation** No irritating effect.

**Serious eye damage/irritation** No irritating effect.

**Respiratory or skin sensitization** No sensitizing effects known.

#### Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

#### CMR effects (carcinogenetic, 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 Bio accumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

#### Additional ecological information:

**General notes:** Not known to be hazardous to water.

### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.



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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

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, ADN, IMDG, IATA	Void Void
14.2 UN proper shipping name ADR, ADN, IMDG, IATA	Void Void
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA	Void Void
14.4 Packing group ADR, IMDG, IATA	Void Void
14.5 Environmental hazards:	NA
14.6 Special precautions for user	NA
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	NA
"Règlement type" de l'ONU:	-----

## 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:

#### 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

#### 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)



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*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: VolatileOrganicCompounds (USA, EU)*