



# XANTHOS 10W40

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 25/10/2011

Revision date: 03/04/2015

Supersedes: 12/12/2014

Version: 5.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : XANTHOS 10W40  
Product code : 120017  
Type of product : Lubricants  
Product group : Blend

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial  
For professional use only  
Function or use category : Lubricants and additives

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

UNIL LUBRICANTS NV  
Bergensesteenweg 713  
1600 Sint - Pieters - Leeuw - Belgique-Belgie  
T 0032 02 365 02 00  
[info@unil.com](mailto:info@unil.com) - [www.unil.be](http://www.unil.be)

#### 1.4. Emergency telephone number

Emergency number : 070 245 245

Country	Organisation/Company	Address	Emergency number
UNITED KINGDOM	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)

### 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

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP) : -  
Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects  
Precautionary statements (CLP) : P273 - Avoid release to the environment  
P501 - Dispose of contents/container to a hazardous or special waste collection point  
EUH phrases : EUH208 - Contains C14-18 alpha-olefin epoxide, reaction products with boric acid, Benzenesulfonic acid, mono-C15-36 branched alkyl derivs., C24 rich and Octadecylbenzenesulfonic acid, calcium salts., Triphenyl phosphite. May produce an allergic reaction

#### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

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Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Mineral oil *		10 - 20	Not classified	Asp. Tox. 1, H304
zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	(CAS No) 4259-15-8 (EC no) 224-235-5 (REACH-no) 01-2119493635-27	1 - 5	Xi; R41 N; R51/53	Eye Dam. 1, H318 Aquatic Chronic 2, H411
C14-18 alpha-olefin epoxide, reaction products with boric acid	(EC no) POLYMER	0,1 - 1	R43	Skin Sens. 1B, H317
Benzenesulfonic acid, mono-C15-36 branched alkyl derivs., C24 rich and Octadecylbenzenesulfonic acid, calcium salts.	(EC no) POLYMER	0,1 - 1	R43	Skin Sens. 1, H317
Phenol, dodecyl-, branched	(CAS No) 121158-58-5 (EC no) 310-154-3 (REACH-no) 01-2119513207-49	0,1 - 1	Repr.Cat.3; R62 Xi; R36/38 N; R50/53	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361f Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Triphenyl phosphite	(CAS No) 101-02-0 (EC no) 202-908-4 (EC index no) 015-105-00-7 (REACH-no) 01-2119511213-58	0,1 - 1	Xn; R22 Xi; R36/38 R43 N; R50/53	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
O,O,O-triphenyl phosphorothioate	(CAS No) 597-82-0 (EC no) 209-909-9 (REACH-no) 01-2119979545-21	0,1 - 1	Repr.Cat.3; R62 Repr.Cat.3; R63	Repr. 2, H361d Aquatic Chronic 4, H413

Full text of R- and H-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : If you feel unwell, seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person.
- First-aid measures after inhalation : When symptoms occur: go into open air and ventilate suspected area.
- First-aid measures after skin contact : Rinse skin with water/shower. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- First-aid measures after ingestion : Call a POISON CENTER or doctor/physician if you feel unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.
- Symptoms/injuries after inhalation : None under normal use.
- Symptoms/injuries after skin contact : Contact during a long period may cause slight irritation.
- Symptoms/injuries after eye contact : May cause slight irritation.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : AFFF foam.
- Unsuitable extinguishing media : When cooling/extinguishing: no water in the substance.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Combustible product.
- Explosion hazard : Not applicable.
- Reactivity in case of fire : Decomposes on exposure to temperature rise: release of harmful/irritant gases/vapours.
- Hazardous decomposition products in case of fire : Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

#### 5.3. Advice for firefighters

- Precautionary measures fire : Post warning notices (including no smoking). Avoid ignition sources. No open flames, no sparks, and no smoking.
- Firefighting instructions : Evacuate area.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
- Other information : Use water spray or fog for cooling exposed containers.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Relevant water authorities should be notified of any large spillage to water course or drain. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.

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

Protective equipment : Concerning personal protective equipment to use, see section 8. Wear suitable protective clothing and gloves.

Emergency procedures : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel).

Measures in case of dust release : Not applicable.

##### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Clean up any spills as soon as possible, using an absorbent material to collect it.

#### 6.2. Environmental precautions

Remove all floating oil before biological treatment/discharge. Avoid release to the environment.

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

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Collect all waste in suitable and labelled containers and dispose according to local legislation.

Other information : May be dangerously slippery if spilled.

#### 6.4. Reference to other sections

For disposal of residues refer to section 13 : Disposal considerations" ". Concerning personal protective equipment to use, see section 8.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Combustible product.

Precautions for safe handling : Use personal protective equipment as required. Do not get in eyes, on skin, or on clothing. No open flames. No smoking.

Hygiene measures : Do not eat, drink or smoke when using this product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Storage conditions : Store in original container. Keep container closed when not in use. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Keep in fireproof place.

Incompatible products : See Heading 10. Strong bases. Strong acids.

Incompatible materials : See Heading 10. Sources of ignition. Direct sunlight.

Heat and ignition sources : No flames, no sparks. Eliminate all sources of ignition.

Prohibitions on mixed storage : Oxidation agents.

Storage area : Store away from heat. Floors should be impervious, resistant to liquids and easy to clean.

Special rules on packaging : Keep only in original container.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.

Materials for protective clothing : Separate working clothes from town clothes. Launder separately

Hand protection : protective gloves

Eye protection : Eye protection should only be necessary where liquid could be splashed or sprayed

Skin and body protection : Rinse and then wash skin thoroughly with water and soap

Respiratory protection : Avoid the formation of mists in the atmosphere. If this material is handled at elevated temperature or under mist forming conditions, approved respiratory protection equipment should be used

Other information : Do not eat, drink or smoke during use.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Oily.
Colour	: colourless to yellow.
Odour	: characteristic.
Odour threshold	: No data available No data available
pH	: Not applicable
pH solution	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 215 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Combustible liquid
Vapour pressure	: < 0,01 mm Hg
Relative vapour density at 20 °C	: No data available
Relative density	: 0,87
Solubility	: Material insoluble in water. soluble in most organic solvents.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: 88 cSt
Viscosity, dynamic	: No data available
Explosive properties	: Heating may cause a fire. Not classified as explosive according to EC criteria, but may present risks in the event of a fire.
Oxidising properties	: Not applicable.
Explosive limits	: No data available

#### 9.2. Other information

Additional information	: At or above flash point, vapours present may burn in open or explode if confined when mixed with air and exposed to ignition source
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No decomposition if stored normally.

#### 10.2. Chemical stability

Combustible product. Stable at ambient temperature and under normal conditions of use. Not established.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

All heat sources. Sparks. Open flame. Direct sunlight. Extremely high or low temperatures.

#### 10.5. Incompatible materials

Strong oxidizers.

#### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)	
LD50 oral rat	3100 mg/kg (OECD 401 method)
LD50 dermal rabbit	> 5000 mg/kg (OECD 402 method)

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Skin corrosion/irritation	: Not classified Based on available data, the classification criteria are not met pH: Not applicable
Serious eye damage/irritation	: Not classified Based on available data, the classification criteria are not met pH: Not applicable
Respiratory or skin sensitisation	: Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified

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Viscosity, kinematic	88 mm <sup>2</sup> /s
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Potential adverse human health effects and symptoms : Not classified as dangerous preparation/substance.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

#### zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

LC50 fish 1 : 1 - 2 mg/l (Oncorhynchus mykiss, 96h) [OECD 203]

EC50 Daphnia 1 : 1 - 10 mg/l (Daphnia magna, 48h) [OECD 202]

ErC50 (algae) : > 240 mg/l (Desmodesmus subspicatus, 72h)

### 12.2. Persistence and degradability

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Persistence and degradability : May cause long-term adverse effects in the environment.

#### zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

Biodegradation : 5 % (closed bottle 28d.)

#### Phenol, dodecyl-, branched (121158-58-5)

Biodegradation : 25 % Sturm (28 d)

#### Triphenyl phosphite (101-02-0)

Biodegradation : 0,1 % (closed bottle 28d.)

### 12.3. Bioaccumulative potential

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Log Pow : No data available

Log Kow : No data available

Bioaccumulative potential : Not established.

#### zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

Log Pow : 3,59

Log Kow : 3,6 (octanol/water 0.1d)

#### Phenol, dodecyl-, branched (121158-58-5)

Bioconcentration factor (BCF REACH) : 2,9 (27 d)

Log Kow : 7,1 Octanol-water coefficient (0.1 d)

#### Triphenyl phosphite (101-02-0)

Log Kow : 5 - 6,6 (octanol/water 0.1d.)

### 12.4. Mobility in soil

No additional information available

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### 12.5. Results of PBT and vPvB assessment

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

Additional information : Avoid release to the environment

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Recycling is preferred to disposal or incineration. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Take up liquid spill into absorbent material, e.g.: sand/earth.

Waste disposal recommendations : Dispose of contents/container to ...

Ecology - waste materials : Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
No dangerous good in sense of transport regulations.(ADR, RID, IMDG, IATA )				
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

### 14.6. Special precautions for user

Special transport precautions : Not regulated or not hazardous

#### - Overland transport

Transport regulations (ADR) : Not subject

#### - Transport by sea

Transport regulations (IMDG) : Not subject

#### - Air transport

No data available

#### - Inland waterway transport

Not subject to ADN : No

#### - Rail transport

Transport regulations (RID) : Not subject

Carriage prohibited (RID) : No

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

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Contains no REACH Annex XIV substances

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

The substance is not hazardous

## SECTION 16: Other information

Indication of changes:

	Indication of changes	Removed	
	Supersedes	Added	
	Revision date	Added	
	SDS EU format	Added	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Added	
2.1	Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]	Added	
2.2	Precautionary statements (CLP)	Added	
2.2	Hazard statements (CLP)	Added	
2.2	Signal word (CLP)	Added	
2.2	S-phrases	Added	
2.2	R-phrases	Added	
2.2	EUH phrases	Modified	
2.2	Extra phrases	Modified	
4.1	First-aid measures after eye contact	Modified	
4.1	First-aid measures after skin contact	Modified	
4.1	First-aid measures after inhalation	Modified	
4.1	First-aid measures after ingestion	Modified	
5.1	Unsuitable extinguishing media	Modified	
5.1	Suitable extinguishing media	Modified	
5.3	Firefighting instructions	Modified	
6.1	Emergency procedures	Modified	
6.1	Emergency procedures	Modified	
6.2	Environmental precautions	Modified	
6.3	Methods for cleaning up	Modified	
6.4	Reference to other sections (8, 13)	Modified	
7.1	Hygiene measures	Modified	
7.1	Precautions for safe handling	Modified	
8.2	Respiratory protection	Modified	
8.2	Eye protection	Modified	
10.5	Incompatible materials	Modified	
11.1	Potential adverse human health effects and symptoms	Modified	
12.1	Ecology - water	Added	
12.2	Persistence and degradability	Modified	

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13.1	Waste disposal recommendations	Modified	
13.1	Ecology - waste materials	Modified	
15.2	Chemical safety assessment	Modified	

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
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
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Repr. 2	Reproductive toxicity, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
Skin Sens. 1B	Sensitisation — Skin, category 1B
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H361d	Suspected of damaging the unborn child
H361f	Suspected of damaging 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
H412	Harmful to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life
EUH208	Contains . May produce an allergic reaction
R22	Harmful if swallowed
R36/38	Irritating to eyes and skin
R41	Risk of serious damage to eyes
R43	May cause sensitisation by skin contact
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R62	Possible risk of impaired fertility
R63	Possible risk of harm to the unborn child
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*