



XTC LA 5W30 Syntronic

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Date of issue:6/8/2015 Revision date:8/31/2015Supersedes:6/8/2015

Version: 1.1

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

1.1. Product identifier

Product form : Mixture
Article number : 50300
Product code : 503

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

1.2.1. Relevant identified uses

Main use category : Industrial use,Professional use,Consumer use
Industrial/Professional use spec : Used in closed systems
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

BARDAHL NL - OCD NEDERLAND BV
Maxwellstraat 41
3316 GP Dordrecht - Nederland
T 0031 78 651 2322 - F 0031 78 617 4848
rjjonker@bardahl.nl - www.bardahl.nl

1.4. Emergency telephone number

Emergency number : +31 (0) 6 2908 2010
During office hours: 8.30 t/m 17:00 h

Country	Organization/Company	Address	Emergency number	Comment
	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazardous to the aquatic environment - Chronic Hazard Category 3 H412

Full text of H statements : see section 16

2.2. Label elements

Labeling 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 in accordance with local regulations.
P102 - Keep out of reach of children
Security closing plug for children. : No
Tactile warning : No

2.3. Other hazards

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

XTC LA 5W30 Syntronic

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, Baseoil - unspecified.	(CAS No) 72623-87-1 (EC no) 276-38-4 (EC index no) 649-483-00-5	10 - 30	Asp. Tox. 1, H304
Base oil: distillates, hydrotreated; heavy paraffinic	(CAS No) 64742-54-7 (EC no) 265-157-1 (REACH-no) 01-2119484627-25	1 - 10	Asp. Tox. 1, H304
Mineral oil	(CAS No) 8042-47-5 (EC no) 232-455-8 (REACH-no) 01-2119487078-27-XXXX	1 - 5	Asp. Tox. 1, H304
Reaction products of Benzenamine, N-phenyl- with nonene (branched)	(EC no) 253-249-4 (REACH-no) 01-2119488911-28	0.5 - 2.5	Aquatic Chronic 4, H413
Phosphorodithioic acid, mixed, 0,0-bis (1,3-dimethylbutyl and iso-Pr) esters	(EC no) 283-392-8 (REACH-no) 01-2119493626-26	0.1 - 1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Zinc (O,O,O,O-tetrakis (1,3-dimethylbutyl) bis (phosphorodithioate)	(EC no) 218-679-9 (REACH-no) 01-2119953275-34	0.1 - 1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
diphenylamine	(CAS No) 122-39-4 (EC no) 204-539-4 (EC index no) 612-026-00-5	0.0113 - 0.1	Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Oral), H301 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Dodecylphenol, mixed isomers (branched)	(CAS No) 121158-58-5 (EC no) 310-154-3 (REACH-no) 01-2119513207-49	0.0113 - 0.1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361f Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : No special measures required.
First-aid measures after skin contact : Wash skin thoroughly with mild soap and water.
First-aid measures after eye contact : Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart.
First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth. Obtain emergency medical attention.

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

- Symptoms/injuries after inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/injuries after skin contact : Not expected to present a significant skin hazard under anticipated conditions of normal use.
Symptoms/injuries after eye contact : Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
Symptoms/injuries after ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

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 : Water haze. Foam. Powder. Dry chemical.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Precautionary measures fire : Exercise caution when fighting any chemical fire.
Firefighting instructions : Use water spray or fog for cooling exposed containers.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Wear suitable protective clothing and gloves.

XTC LA 5W30 Syntronic

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing and gloves.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Impound and recover large spill by mixing it with inert granular solids.
Methods for cleaning up : Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.
Other information : May be dangerously slippery if spilled. Use suitable disposal containers.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required.
Handling temperature : < 40 °C
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, cool, well-ventilated area.
Storage temperature : < 40 °C

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

50300

Netherlands

Grenswaarde TGG 8H (mg/m³)

5 mg/m³ (ACGIH TLV)

8.2. Exposure controls

Personal protective equipment : Protective goggles. Gloves.
Hand protection : Wear suitable gloves resistant to chemical penetration. Recommended thickness of the material: ≥ 0.35 mm. Penetration time of glove material: ≥ 480 min
Eye protection : Safety glasses
Skin and body protection : No special clothing/skin protection equipment is recommended under normal conditions of use.
Respiratory protection : No special protection required where adequate ventilation is maintained.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Oily liquid.
Color : Yellow-brown.
Odor : Characteristic.
Odor threshold : No data available
pH : No data available
Relative evaporation rate (butyl acetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : > 200 °C (ASTM D92)
Auto-ignition temperature : No data available
Decomposition temperature : No data available

XTC LA 5W30 Syntronic

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific gravity / density	: 855 kg/m ³ (15°C)
Solubility	: Slightly soluble, the product remains on the water surface.
Log Pow	: No data available
Viscosity, kinematic	: 67 mm ² /s (40°C)
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Strong oxidizers. acids. Bases.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Base oil: distillates, hydrotreated; heavy paraffinic (64742-54-7)

LD50 dermal rat	> 5000 mg/kg
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LD50 dermal rabbit	> 5000 mg/kg
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LC50 inhalation rat (mg/l)	> 5 mg/l
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Mineral oil (8042-47-5)

LD50 oral rat	> 5000 mg/kg
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LD50 dermal rabbit	> 5000 mg/kg
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Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

50300

Viscosity, kinematic	67 mm ² /s (40°C)
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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : May cause long lasting harmful effects to aquatic life. Harmful to aquatic life.

XTC LA 5W30 Syntronic

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Mineral oil (8042-47-5)	
LC50 fish 1	> 100 mg/l
diphenylamine (122-39-4)	
LC50 fish 1	0.1 - 1 mg/l

12.2. Persistence and degradability

50300	
Persistence and degradability	Not soluble in water, so only minimally biodegradable.
Reaction products of Benzenamine, N-phenyl- with nonene (branched)	
Biodegradation	0 % Sturm-test @28d
Phosphorodithioic acid, mixed, 0,0-bis (1,3-dimethylbutyl and iso-Pr) esters	
Biodegradation	1.5 % @28d
Zinc (O,O,O,O-tetrakis (1,3-dimethylbutyl) bis (phosphorodithioate)	
Biodegradation	1.5 % Sturm @28d
diphenylamine (122-39-4)	
Biodegradation	26 % (Closed bottle) @28 d
Dodecylphenol, mixed isomers (branched) (121158-58-5)	
Biodegradation	25 % Sturm-test @28d

12.3. Bioaccumulative potential

Reaction products of Benzenamine, N-phenyl- with nonene (branched)	
Bioconcentration factor (BCF REACH)	3.2 @42d
Log Kow	3.6 @0.1d
Phosphorodithioic acid, mixed, 0,0-bis (1,3-dimethylbutyl and iso-Pr) esters	
Log Kow	0.6 @0.1d
Zinc (O,O,O,O-tetrakis (1,3-dimethylbutyl) bis (phosphorodithioate)	
Bioconcentration factor (BCF REACH)	2.2 @0.1d
diphenylamine (122-39-4)	
Log Kow	3.4 @ 0.1 d
Dodecylphenol, mixed isomers (branched) (121158-58-5)	
Log Kow	7.1 @0.1d

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

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

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

XTC LA 5W30 Syntronic

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

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 REACH substances with Annex XVII restrictions

Contains no REACH candidate substance

Contains no REACH Annex XIV substances.

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 3, strongly hazardous to water (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : Base oil: distillates, hydrotreated; heavy paraffinic, Mineral oil, Phosphorodithioic acid, mixed, 0,0-bis (1,3-dimethylbutyl and iso-Pr) esters, Dodecylphenol, mixed isomers (branched) are listed

XTC LA 5W30 Syntronic

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

SZW-lijst van mutagene stoffen	: Base oil: distillates, hydrotreated; heavy paraffinic, Mineral oil, Phosphorodithioic acid, mixed, 0,0-bis (1,3-dimethylbutyl and iso-Pr) esters, Dodecylphenol, mixed isomers (branched) are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	: None of the components are listed

Denmark

Classification remarks	: Emergency management guidelines for the storage of flammable liquids must be followed
Recommendations Danish Regulation	: Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes:

1.2	Function or use category	Modified	
8.2	Eye protection	Added	
8.2	Hand protection	Modified	

Abbreviations and acronyms:

Abbreviations and acronyms: RID: Regulations Concerning the International Transport of Dangerous Goods by Rail ICAO: International Civil Aviation Organization ADR: 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 Harmonized 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) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent

Full text of H- and EUH-phrases:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhalation) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
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 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
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
H301	Toxic if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H331	Toxic if inhaled
H361f	Suspected of damaging fertility
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

XTC LA 5W30 Syntronic

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

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

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