



XTC C60 20W50

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Date of issue: 6/1/2017 Revision date: 10/19/2018 Supersedes: 6/1/2017 Version: 1.1

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

1.1. Product identifier

Product form : Mixture
Name : XTC C60 20W50
Product code : 313040
Article number : 313040

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Professional use.
Function or use category : other engine, gear and lubricating oils

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
rjionker@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	Official advisory body	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	
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Israel	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096 Haifa	+972 4 854 1900	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU 2015: According to Regulation (EU) 2015/830 (REACH Annex II)

Serious eye damage/eye irritation, Category 2 H319
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

XTC C60 20W50

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H319 - Causes serious eye irritation.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) :

P264 - Wash hands thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear eye protection, protective gloves, face protection.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P501 - Dispose of contents/container in accordance with local regulations.
P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.

2.3. Other hazards

PBT: not relevant – no registration required

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Zinc Bis [O-(6-methylheptyl)] bis ;O-(sec-butyl)] bis (dithiophosphate)	(CAS-No.) 93819-94-4 (EC-No.) 298-577-9 (REACH-no) 01-2119543726-33	2 - 2.5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Phenol, dodecyl-, branched	(CAS-No.) 121158-58-5 (EC-No.) 310-154-3 (REACH-no) 01-2119513207-49	0.1 - 0.15	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Zinc Bis [O-(6-methylheptyl)] bis ;O-(sec-butyl)] bis (dithiophosphate)	(CAS-No.) 93819-94-4 (EC-No.) 298-577-9 (REACH-no) 01-2119543726-33	(6.25 =<C < 100) Skin Irrit. 2, H315 (10 =<C < 12.5) Eye Irrit. 2, H319 (12.5 =<C < 100) Eye Dam. 1, H318

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Assure fresh air breathing. If not breathing, give artificial respiration. Get immediate medical advice/attention.
First-aid measures after skin contact	: Take off contaminated clothing. Rinse skin with water/shower. Get medical advice/attention.
First-aid measures after eye contact	: In case of contact, immediately flush eye with plenty of water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Ensure adequate flushing of eyes by separating eyelids with the fingers. Get medical advice/attention.
First-aid measures after ingestion	: Do not induce vomiting, unless told so by a poison control center or doctor. Drink plenty of water. Get immediate medical advice/attention.

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

Symptoms/effects

: Unknown.

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

No additional information available

XTC C60 20W50

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Foam. Powder. Water spray.
Unsuitable extinguishing media : None, to our knowledge.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Do not breathe fumes from fires or vapours from decomposition.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers.
Protection during firefighting : Standard EN 469 - Protective clothing for firefighters. Standard - EN 659: Protective gloves for firefighters. EN 137 - Self-contained open-circuit compressed air breathing apparatus with full face mask.
Other information : Prevent fire fighting water from entering the environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak without risks if possible.

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing and gloves.

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.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect spillage. Use suitable disposal containers. Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel).
Other information : Ventilate area.

6.4. Reference to other sections

See Heading 8. See Heading 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Prevent entry to sewers and public waters. Do not eat, drink or smoke when using this product. Take off immediately all contaminated clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep in original containers. Keep the container hermetically sealed. Store in dry, cool, well-ventilated area.
Incompatible materials : Direct sunlight.

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

Hand protection:

Selection of the glove material on consideration of the penetration times, permeability and degradation. Test the gloves before use. Refer to manufacturer's information.

Skin and body protection:

Wear suitable protective clothing. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection. In case of any doubt wear a half-mask respirator according to EN 529.

Environmental exposure controls:

Prevent entry to sewers and public waters.

Other information:

Good ventilation of the workplace required. Wear suitable protective clothing. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

XTC C60 20W50

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellow.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 200 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0.88
Solubility	: Insoluble.
Log Pow	: No data available
Viscosity, kinematic	: 172.23 mm ² /s 40°C / 19.5 cSt 100°C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive 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

None under normal conditions.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008
Acute toxicity (dermal)	: Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008
Acute toxicity (inhalation)	: Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Zinc Bis [O-(6-methylheptyl)] bis ;O-(sec-butyl)] bis (dithiophosphate) (93819-94-4)

LD50 oral rat	2600 mg/kg
LD50 dermal rat	> 3160 mg/kg (OECD 402)

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

LD50 oral rat	2100 mg/kg
LD50 dermal rat	15000 mg/kg

Skin corrosion/irritation	: Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008
Germ cell mutagenicity	: Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

XTC C60 20W50

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Carcinogenicity	: Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008
Reproductive toxicity	: Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008
STOT-single exposure	: Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008
STOT-repeated exposure	: Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008
Aspiration hazard	: Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

XTC C60 20W50

Viscosity, kinematic	172.23 mm ² /s 40°C / 19.5 cSt 100°C
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SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity	: Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008
Chronic aquatic toxicity	: Harmful to aquatic life with long lasting effects.

Zinc Bis [O-(6-methylheptyl)] bis ;O-(sec-butyl)] bis (dithiophosphate) (93819-94-4)

LC50 fish 1	4.5 mg/l
EC50 Daphnia 1	5.4 mg/l
EC50 other aquatic organisms 1	2.1 mg/l

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

LC50 fish 1	24 mg/l (Pimephales promelas)
EC50 Daphnia 1	0.0347 mg/l
EC50 72h algae (1)	0.15 mg/l (Scenedesmus subspicatus)

12.2. Persistence and degradability

Zinc Bis [O-(6-methylheptyl)] bis ;O-(sec-butyl)] bis (dithiophosphate) (93819-94-4)

Biodegradation	1.5 % (OECD 301B 28d)
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12.3. Bioaccumulative potential

Zinc Bis [O-(6-methylheptyl)] bis ;O-(sec-butyl)] bis (dithiophosphate) (93819-94-4)

Log Pow	0.9 @ 23°C
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Phenol, dodecyl-, branched (121158-58-5)

Bioconcentration factor (BCF REACH)	2.9
Log Kow	7.1

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

XTC C60 20W50

PBT: not relevant – no registration required

Results of PBT assessment	Does not contain any PBT or vPvB greater than 0.1%
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12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of this material and its container to hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations.

Additional information : Reuse packaging if this is possible.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

XTC C60 20W50

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

14.2. UN proper shipping name

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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14.3. Transport hazard class(es)

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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14.4. Packing group

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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14.5. Environmental hazards

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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No supplementary information available

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol 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 substance on the REACH candidate list

Contains no REACH Annex XIV substances

Directive 2012/18/EU (SEVESO III)

15.1.2. National regulations

Germany

Reference to AwSV

: Water hazard class (WGK) 3, severe hazard to waters (Classification according to AwSV, Annex 1)

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

: Zinc Bis [O-(6-methylheptyl)] bis ;O-(sec-butyl)] bis (dithiophosphate), Phenol, dodecyl-, branched are listed

SZW-lijst van mutagene stoffen

: Zinc Bis [O-(6-methylheptyl)] bis ;O-(sec-butyl)] bis (dithiophosphate), Phenol, dodecyl-, 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

: Phenol, dodecyl-, branched is listed

Denmark

Danish National Regulations

: The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

15.2. Chemical safety assessment

No

XTC C60 20W50

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 16: Other information

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-statements:

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
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
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child.
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.

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