Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Revision date: 28/03/2019 Supersedes: 31/07/2017 Version: 10.0

.1. Product identifier Product form	: Mixture		
Product name	: WOLF GUARDTECH 10W40 B4		
Product code	: 23127		
Product group	: Blend		
I.2. Relevant identified uses of the subst	ance or mixture and uses advised a	gainst	
1.2.1. Relevant identified uses			
Main use category	: Industrial use, Professional use, Cons	umer use	
ndustrial/Professional use spec	: Non-dispersive use		
	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 of	lata sheet		
WOLF OIL CORPORATION N.V.			
Georges Gilliotstraat, 52			
2620 Hemiksem - België T 0032 (0)3 870 00 00 - F 0032 (0)3 870 00 99			
nfo@wolfoil.com			
I.4. Emergency telephone number			
Emergency number	: +32 14 58 45 45 (NL/EN/FR/DE)		
SECTION 2: Hazards identification			
.1. Classification of the substance or m	ixture		
Classification according to Regulation (EC) N	a 1272/2008 [CL P]		
Not classified			
Adverse physicochemical, human health and	environmental effects		
Adverse physicochemical, human health and	environmental effects		
Adverse physicochemical, human health and No additional information available	environmental effects		
Adverse physicochemical, human health and No additional information available 2.2. Label elements			
		e on request.	
Adverse physicochemical, human health and No additional information available 2.2. Label elements Labelling according to Regulation (EC) No. 12 EUH-statements	72/2008 [CLP]	le on request.	
Adverse physicochemical, human health and No additional information available 2.2. Label elements Labelling according to Regulation (EC) No. 12	72/2008 [CLP]	e on request.	
Adverse physicochemical, human health and No additional information available 2.2. Label elements Labelling according to Regulation (EC) No. 12 EUH-statements 2.3. Other hazards	72/2008 [CLP]	e on request.	
Adverse physicochemical, human health and No additional information available 2.2. Label elements Labelling according to Regulation (EC) No. 12 EUH-statements 2.3. Other hazards	72/2008 [CLP] :EUH210 - Safety data sheet availab	le on request.	
Adverse physicochemical, human health and No additional information available 2.2. Label elements Labelling according to Regulation (EC) No. 12 EUH-statements 2.3. Other hazards No additional information available	72/2008 [CLP] :EUH210 - Safety data sheet availab	e on request.	
Adverse physicochemical, human health and No additional information available 2.2. Label elements Labelling according to Regulation (EC) No. 12 EUH-statements 2.3. Other hazards No additional information available SECTION 3: Composition/information	72/2008 [CLP] :EUH210 - Safety data sheet availab	le on request.	
Adverse physicochemical, human health and No additional information available 2.2. Label elements Labelling according to Regulation (EC) No. 12 EUH-statements 2.3. Other hazards No additional information available SECTION 3: Composition/information 3.1. Substances Not applicable	72/2008 [CLP] :EUH210 - Safety data sheet availab	e on request.	
Adverse physicochemical, human health and No additional information available 2.2. Label elements Labelling according to Regulation (EC) No. 12 EUH-statements 2.3. Other hazards No additional information available SECTION 3: Composition/information 3.1. Substances Not applicable 3.2. Mixtures	72/2008 [CLP] : EUH210 - Safety data sheet availab n on ingredients		Classification according t
Adverse physicochemical, human health and No additional information available 2.2. Label elements 2.3. Label elements 2.3. Other hazards No additional information available 3.5. Composition/information 3.1. Substances Not applicable 3.2. Mixtures	72/2008 [CLP] :EUH210 - Safety data sheet availab	le on request.	Classification according t Regulation (EC) No.
Adverse physicochemical, human health and No additional information available 2.2. Label elements Labelling according to Regulation (EC) No. 12 EUH-statements 2.3. Other hazards No additional information available SECTION 3: Composition/information 3.1. Substances Not applicable 3.2. Mixtures	72/2008 [CLP] : EUH210 - Safety data sheet availab n on ingredients		Classification according f Regulation (EC) No. 1272/2008 [CLP]
Adverse physicochemical, human health and No additional information available 2.2. Label elements Labelling according to Regulation (EC) No. 12 EUH-statements 2.3. Other hazards No additional information available SECTION 3: Composition/information 3.1. Substances Not applicable 3.2. Mixtures Name	72/2008 [CLP] : EUH210 - Safety data sheet availab n on ingredients Product identifier	%	Regulation (EC) No. 1272/2008 [CLP]
Adverse physicochemical, human health and No additional information available 2.2. Label elements Labelling according to Regulation (EC) No. 12 EUH-statements 2.3. Other hazards No additional information available SECTION 3: Composition/information 3.1. Substances Not applicable 3.2. Mixtures Name	72/2008 [CLP] : EUH210 - Safety data sheet availab n on ingredients Product identifier (CAS-No.) 84605-29-8		Regulation (EC) No.1272/2008 [CLP]Skin Irrit. 2, H315
Adverse physicochemical, human health and No additional information available 2.2. Label elements abelling according to Regulation (EC) No. 12 EUH-statements 2.3. Other hazards No additional information available SECTION 3: Composition/information 3.1. Substances Not applicable 3.2. Mixtures Name	72/2008 [CLP] : EUH210 - Safety data sheet availab n on ingredients Product identifier	%	Regulation (EC) No.           1272/2008 [CLP]           Skin Irrit. 2, H315           Eye Dam. 1, H318
Adverse physicochemical, human health and No additional information available 2.2. Label elements 2.3. Label elements 2.3. Other hazards No additional information available SECTION 3: Composition/information 3.1. Substances Not applicable 3.2. Mixtures Name Phosphorodithioic acid, mixed O,O-bis(1,3- dimethylbutyl and iso-Pr) esters, zinc salts	72/2008 [CLP]         : EUH210 - Safety data sheet availab         n on ingredients         Product identifier         (CAS-No.) 84605-29-8 (EC-No.) 283-392-8 (REACH-no) 01-2119493626-26	<b>%</b> 1 - 2,4	Regulation (EC) No.1272/2008 [CLP]Skin Irrit. 2, H315Eye Dam. 1, H318Aquatic Chronic 2, H411
Adverse physicochemical, human health and No additional information available 2.2. Label elements Labelling according to Regulation (EC) No. 12 EUH-statements 2.3. Other hazards No additional information available SECTION 3: Composition/information 3.1. Substances Not applicable 3.2. Mixtures Name	72/2008 [CLP]         : EUH210 - Safety data sheet availab         n on ingredients         Product identifier         (CAS-No.) 84605-29-8 (EC-No.) 283-392-8 (REACH-no) 01-2119493626-26         (CAS-No.) 121158-58-5	%	Regulation (EC) No.1272/2008 [CLP]Skin Irrit. 2, H315Eye Dam. 1, H318Aquatic Chronic 2, H411Skin Corr. 1C, H314
Adverse physicochemical, human health and No additional information available 2.2. Label elements 3.3. Other hazards No additional information available 3.3. Other hazards No additional information available 3.4. Substances Not applicable 3.2. Mixtures Name Phosphorodithioic acid, mixed O,O-bis(1,3- limethylbutyl and iso-Pr) esters, zinc salts	72/2008 [CLP]         : EUH210 - Safety data sheet availab         n on ingredients         Product identifier         (CAS-No.) 84605-29-8 (EC-No.) 283-392-8 (REACH-no) 01-2119493626-26         (CAS-No.) 121158-58-5 (EC-No.) 310-154-3	<b>%</b> 1 - 2,4	Regulation (EC) No.1272/2008 [CLP]Skin Irrit. 2, H315Eye Dam. 1, H318Aquatic Chronic 2, H411Skin Corr. 1C, H314Eye Dam. 1, H318
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Adverse physicochemical, human health and No additional information available 2.2. Label elements 3.3. Other hazards No additional information available 3.3. Other hazards No additional information available 3.4. Substances Not applicable 3.2. Mixtures Name Phosphorodithioic acid, mixed O,O-bis(1,3- limethylbutyl and iso-Pr) esters, zinc salts	72/2008 [CLP]         : EUH210 - Safety data sheet availab         n on ingredients         Product identifier         (CAS-No.) 84605-29-8 (EC-No.) 283-392-8 (REACH-no) 01-2119493626-26         (CAS-No.) 121158-58-5 (EC-No.) 310-154-3	<b>%</b> 1 - 2,4	Regulation (EC) No.           1272/2008 [CLP]           Skin Irrit. 2, H315           Eye Dam. 1, H318           Aquatic Chronic 2, H411           Skin Corr. 1C, H314           Eye Dam. 1, H318           Repr. 1B, H360F
Adverse physicochemical, human health and No additional information available 2.2. Label elements 2.3. Label elements 2.3. Other hazards No additional information available 3.4. Substances Not applicable 3.2. Mixtures Name Phosphorodithioic acid, mixed O,O-bis(1,3- limethylbutyl and iso-Pr) esters, zinc salts Phenol, dodecyl-, branched	72/2008 [CLP]         : EUH210 - Safety data sheet availab         n on ingredients         Product identifier         (CAS-No.) 84605-29-8 (EC-No.) 283-392-8 (REACH-no) 01-2119493626-26         (CAS-No.) 121158-58-5 (EC-No.) 310-154-3	<b>%</b> 1 - 2,4	Regulation (EC) No.           1272/2008 [CLP]           Skin Irrit. 2, H315           Eye Dam. 1, H318           Aquatic Chronic 2, H411           Skin Corr. 1C, H314           Eye Dam. 1, H318           Repr. 1B, H360F           Aquatic Acute 1, H400 (M=10)
Adverse physicochemical, human health and No additional information available 2.2. Label elements 2.3. Label elements 2.3. Other hazards No additional information available 3.4. Substances Not applicable 3.2. Mixtures Name Phosphorodithioic acid, mixed O,O-bis(1,3- timethylbutyl and iso-Pr) esters, zinc salts Phenol, dodecyl-, branched 3.2. Specific concentration limits:	72/2008 [CLP]         : EUH210 - Safety data sheet availab         n on ingredients         Product identifier         (CAS-No.) 84605-29-8         (EC-No.) 283-392-8         (REACH-no) 01-2119493626-26         (CAS-No.) 121158-58-5         (EC-No.) 310-154-3         (REACH-no) 01-2119513207-49	%       1 - 2,4       0,01 - 0,024	Regulation (EC) No.           1272/2008 [CLP]           Skin Irrit. 2, H315           Eye Dam. 1, H318           Aquatic Chronic 2, H411           Skin Corr. 1C, H314           Eye Dam. 1, H318           Repr. 1B, H360F           Aquatic Chronic 1, H400 (M=10)           Aquatic Chronic 1, H410 (M=10)
Adverse physicochemical, human health and No additional information available 2.2. Label elements 2.3. Label elements 2.3. Other hazards No additional information available 3.1. Substances Not applicable 3.2. Mixtures Name Phosphorodithioic acid, mixed O,O-bis(1,3- timethylbutyl and iso-Pr) esters, zinc salts Phenol, dodecyl-, branched Specific concentration limits: Name	72/2008 [CLP]         : EUH210 - Safety data sheet availab         n on ingredients         Product identifier         (CAS-No.) 84605-29-8         (EC-No.) 283-392-8         (REACH-no) 01-2119493626-26         (CAS-No.) 121158-58-5         (EC-No.) 310-154-3         (REACH-no) 01-2119513207-49         Product identifier	%           1 - 2,4           0,01 - 0,024           Specific col	Regulation (EC) No. 1272/2008 [CLP]Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411Skin Corr. 1C, H314 Eye Dam. 1, H318 Repr. 1B, H360F Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10) Aquatic Chronic 1, H410 (M=10)
Adverse physicochemical, human health and No additional information available 2.2. Label elements 2.3. Label elements 2.3. Other hazards No additional information available 3.2. Other hazards No additional information available 3.2. Mixtures Name Phosphorodithioic acid, mixed O,O-bis(1,3- limethylbutyl and iso-Pr) esters, zinc salts Phenol, dodecyl-, branched 3.2. Specific concentration limits: Name Phosphorodithioic acid, mixed O,O-bis(1,3- limethylbutyl and iso-Pr) esters.	72/2008 [CLP]         : EUH210 - Safety data sheet availab         n on ingredients         Product identifier         (CAS-No.) 84605-29-8         (EC-No.) 283-392-8         (REACH-no) 01-2119493626-26         (CAS-No.) 121158-58-5         (EC-No.) 310-154-3         (REACH-no) 01-2119513207-49         Product identifier         (CAS-No.) 84605-29-8	%           1 - 2,4           0,01 - 0,024           Specific con           (6,25 = <c 1)<="" <="" td=""></c>	Regulation (EC) No. 1272/2008 [CLP]Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411Skin Corr. 1C, H314 Eye Dam. 1, H318 Repr. 1B, H360F Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10) Aquatic Chronic 1, H410 (M=10)ncentration limits100) Skin Irrit. 2, H315
Adverse physicochemical, human health and No additional information available 2.2. Label elements 2.3. Label elements 2.3. Other hazards No additional information available 3.1. Substances Not applicable 3.2. Mixtures Name Phosphorodithioic acid, mixed O,O-bis(1,3- timethylbutyl and iso-Pr) esters, zinc salts Phenol, dodecyl-, branched Specific concentration limits: Name	72/2008 [CLP]         : EUH210 - Safety data sheet availab         n on ingredients         Product identifier         (CAS-No.) 84605-29-8         (EC-No.) 283-392-8         (REACH-no) 01-2119493626-26         (CAS-No.) 121158-58-5         (EC-No.) 310-154-3         (REACH-no) 01-2119513207-49         Product identifier	%           1 - 2,4           0,01 - 0,024           Specific con           (6,25 = <c 1<="" <="" td="">           (10 =<c 12<="" <="" td=""></c></c>	Regulation (EC) No. 1272/2008 [CLP]Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411Skin Corr. 1C, H314 Eye Dam. 1, H318 Repr. 1B, H360F Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10) Aquatic Chronic 1, H410 (M=10)

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SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation	: Not expected to require first aid measures.
First-aid measures after skin contact	: Wash skin with mild soap and water.
First-aid measures after eye contact	: In case of eye contact, immediately rinse with clean water for 10-15 minutes.
First-aid measures after ingestion	: Do not induce vomiting. Rinse mouth. Get immediate medical advice/attention.
4.2. Most important symptoms and effects	s, both acute and delayed
Symptoms/effects after inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: Not expected to present a significant skin hazard under anticipated conditions of normal use.
Symptoms/effects after eye contact	: Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
Symptoms/effects after ingestion	: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.
4.2 Indication of any immediate medical	attention and apacial tractment needed

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 fog. Foam. Powder. Dry chemical product.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the subst	ance 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.	
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 aut	horities if product enters sewers or public waters.	
6.3. Methods and material for containment a	nd 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	: Spill area may be slippery. Use suitable disposal containers.	
6.4. Reference to other sections		
No additional information available		

o additional information available

<b>SECTION 7: Handling and storag</b>	e
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 eating, drinking or smoking and when leaving work.
7.2. Conditions for safe storage, incl	uding any incompatibilities
Storage temperature	: < 40 °C
Storage area	: Store in dry, cool, well-ventilated area.
7.3. Specific end use(s)	
No additional information available	

### **SECTION 8: Exposure controls/personal protection** 8.1. Control parameters

Additional information

: 5 mg/m3 for oil mists (TWA, 8h-workday) recommended, based upon the ACGIH TLV (Analysis according to US NIOSH Method 5026, NIOSH Manual of Analytical Methods, 3rd Edition).

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### 8.2. Exposure controls

### Personal protective equipment:

Safety glasses. Gloves.

### Hand protection:

Permeation time: minimum >480min long term exposure; material / thickness [mm]: >0,35 mm. Nitrile rubber (NBR) /

#### Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use

#### **Respiratory protection:**

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

#### Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and chemi	ical properties	
Physical state	: Liquid	
Appearance	: Oily liquid.	
Colour	: Yellow-brown.	
Odour	: Characteristic.	
Odour threshold	: No data available	
рН	: 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 @ ASTM D92	
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	: No data available	
Density	: 867 kg/m³ @15°C	
Solubility	: Slightly soluble, the product remains on the water surface.	
Log Pow	: No data available	
Viscosity, kinematic	: 96 mm²/s @ 40°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		

#### 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 data available.
10.5. Incompatible materials
Strong oxidizers. acids. Bases.

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**10.6. Hazardous decomposition products** None under normal conditions.

**SECTION 11: Toxicological information** 11.1. Information on toxicological effects Acute toxicity (oral) : Not classified : Not classified Acute toxicity (dermal) Acute toxicity (inhalation) : Not classified Skin corrosion/irritation : Not classified Serious eye damage/irritation : Not classified (There is dilution test data available which is applicable to the ZDDP present in the mixture. A product containing 15,4% of ZDDP was tested in an in vivo eye irritation study (OECD405). At the 24 hour observation point light redness and chemosis could be recorded, but had fully reversed at the 48h observation point. No further signs of irritation were recorded during the 7 day observation period. This test data confirms that when ZDDP is present in a mixture at <15% (w/w), the mixture does not meet the classification criteria for either Eye Dam. 1,H318; Eye Irrit. 2,H319 or Skin Irrit. 2,H315 under the CLP Regulation.) Respiratory or skin sensitisation : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified STOT-single exposure : Not classified STOT-repeated exposure : Not classified Aspiration hazard : Not classified WOLF GUARDTECH 10W40 B4 96 mm²/s @ 40°C Viscosity, kinematic

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	This product contains one or more components that have a branched alkylphenol impurity, which is very toxic for aquatic organisms (mentioned in chapter 3). The components containing this impurity, are tested and are not toxic for aquatic organisms. This is why the data from chapter 3 concerning the alkylphenol impurity cannot be used for the classification of the product regarding the aquatic toxicity.
Acute aquatic toxicity	Not classified
Chronic aquatic toxicity	Not classified
Phosphorodithioic acid, mixed O,O-bis(1,3-din	methylbutyl and iso-Pr) esters, zinc salts (84605-29-8)
LC50 fish 1	4,5 mg/l Oncorhynchus mykiss
LC50 fish 2	46 mg/l Cyprinodon varietagus
EC50 Daphnia 1	23 mg/l
EC50 Daphnia 2	0,8 mg/l @21d
EC50 other aquatic organisms 2	10000 mg/l @0,1d - Chlorophyta
EC50 72h algae (1)	21 mg/l @3d - Chlorophyta
NOEC (acute)	1,8 mg/l @4d - Oncorhynchus mykiss
NOEC (chronic)	10 mg/l @2d - Daphnia
NOEC chronic fish	0,4 mg/l @21d - Daphnia
NOEC chronic algae	10 mg/l @3d - Chlorophyta

Phenol, dodecyl-, branched (121158-58-5)	
LC50 fish 1	40 mg/l Pimephales promelas
EC50 Daphnia 1	0,037 mg/l
EC50 Daphnia 2	0,0079 mg/l
EC50 other aquatic organisms 1	> 0,58 mg/l
EC50 other aquatic organisms 2	> mg/l

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according to Regulation (EC) No. 1907/2006 (REACH) with	
EC50 72h algae (1)	0,36 mg/l
NOEC (chronic)	0,0037 mg/l @21d - Daphnia
12.2. Persistence and degradability	
WOLF GUARDTECH 10W40 B4	
Persistence and degradability	Not soluble in water, so only minimally biodegradable.
Phosphorodithioic acid mixed O O-bis(1.3-	dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)
Biodegradation	1,5 % @28d - OECD TG 301 B
Discussion of the state of the	
Phenol, dodecyl-, branched (121158-58-5)	
Biodegradation	25 % @28d - strum - OECD TG 301 B
12.3. Bioaccumulative potential	
Phosphorodithioic acid, mixed 0,0-bis(1,3-	dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)
Log Kow	0,56 Measurements
Phenol, dodecyl-, branched (121158-58-5)	
Bioconcentration factor (BCF REACH)	794,33
Log Kow	7,14 Measurements
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	· Dispose in a safe manner in accordance with local/national regulations
	: Dispose in a safe manner in accordance with local/national regulations.
13.1. Waste treatment methods Additional information	: Dispose in a safe manner in accordance with local/national regulations.
13.1. Waste treatment methods         Additional information         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN	: Dispose in a safe manner in accordance with local/national regulations.
13.1. Waste treatment methods         Additional information         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN         14.1. UN number	
<b>13.1. Waste treatment methods</b> Additional information         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN <b>14.1. UN number</b> UN-No. (ADR)	: Not applicable
<b>13.1. Waste treatment methods</b> Additional information         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN <b>14.1. UN number</b> UN-No. (ADR)         UN-No. (IMDG)	: Not applicable : Not applicable
<b>13.1. Waste treatment methods</b> Additional information         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN <b>14.1. UN number</b> UN-No. (ADR)         UN-No. (IMDG)         UN-No. (IATA)	: Not applicable : Not applicable : Not applicable
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<b>13.1. Waste treatment methods</b> Additional information         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN <b>14.1. UN number</b> UN-No. (ADR)         UN-No. (IMDG)         UN-No. (IATA)         UN-No. (ADN)         UN-No. (RID)	: Not applicable : Not applicable : Not applicable
<b>13.1. Waste treatment methods</b> Additional information         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN <b>14.1. UN number</b> UN-No. (ADR)         UN-No. (IMDG)         UN-No. (IATA)         UN-No. (ADN)	: Not applicable : Not applicable : Not applicable : Not applicable
<b>13.1. Waste treatment methods</b> Additional information         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN <b>14.1. UN number</b> UN-No. (ADR)         UN-No. (IMDG)         UN-No. (IATA)         UN-No. (ADN)         UN-No. (RID) <b>14.2. UN proper shipping name</b>	: Not applicable : Not applicable : Not applicable : Not applicable : Not applicable : Not applicable
<b>13.1. Waste treatment methods</b> Additional information         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN <b>14.1. UN number</b> UN-No. (ADR)         UN-No. (IMDG)         UN-No. (IATA)         UN-No. (ADN)         UN-No. (RID) <b>14.2. UN proper shipping name</b> Proper Shipping Name (ADR)	: Not applicable : Not applicable : Not applicable : Not applicable : Not applicable : Not applicable
<b>13.1. Waste treatment methods</b> Additional information         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN <b>14.1. UN number</b> UN-No. (ADR)         UN-No. (IMDG)         UN-No. (IATA)         UN-No. (IATA)         UN-No. (RID) <b>14.2. UN proper shipping name</b> Proper Shipping Name (ADR)         Proper Shipping Name (IMDG)         Proper Shipping Name (IATA)         Proper Shipping Name (ADN)	<ul> <li>Not applicable</li> </ul>
<b>13.1. Waste treatment methods</b> Additional information         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN <b>14.1. UN number</b> UN-No. (ADR)         UN-No. (IMDG)         UN-No. (IATA)         UN-No. (IATA)         UN-No. (RID) <b>14.2. UN proper shipping name</b> Proper Shipping Name (IMDG)         Proper Shipping Name (IATA)         Proper Shipping Name (ADN)         Proper Shipping Name (ADN)         Proper Shipping Name (RID)	<ul> <li>Not applicable</li> </ul>
<b>13.1. Waste treatment methods</b> Additional information         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN <b>14.1. UN number</b> UN-No. (ADR)         UN-No. (IMDG)         UN-No. (IATA)         UN-No. (ADN)         UN-No. (RID) <b>14.2. UN proper shipping name</b> Proper Shipping Name (ADR)         Proper Shipping Name (IMDG)         Proper Shipping Name (IATA)         Proper Shipping Name (ADN)         Proper Shipping Name (RID) <b>14.3. Transport hazard class(es)</b>	<ul> <li>Not applicable</li> </ul>
<b>13.1. Waste treatment methods</b> Additional information         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN <b>14.1. UN number</b> UN-No. (ADR)         UN-No. (IMDG)         UN-No. (IATA)         UN-No. (RID) <b>14.2. UN proper shipping name</b> Proper Shipping Name (ADR)         Proper Shipping Name (IMDG)         Proper Shipping Name (ADN)         Proper Shipping Name (ADN)         Proper Shipping Name (RID) <b>14.3. Transport hazard class(es)</b>	<ul> <li>Not applicable</li> </ul>
<b>13.1. Waste treatment methods</b> Additional information         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / ADN <b>14.1. UN number</b> UN-No. (ADR)         UN-No. (IMDG)         UN-No. (IATA)         UN-No. (IATA)         UN-No. (RID) <b>14.2. UN proper shipping name</b> Proper Shipping Name (ADR)         Proper Shipping Name (IMDG)         Proper Shipping Name (IATA)         Proper Shipping Name (RDD) <b>14.3. Transport hazard class(es) ADR</b> Transport hazard class(es) (ADR)	<ul> <li>Not applicable</li> </ul>
<ul> <li>13.1. Waste treatment methods Additional information </li> <li>SECTION 14: Transport information In accordance with ADR / RID / IMDG / IATA / ADN 14.1. UN number UN-No. (ADR) UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (IATA) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (RID) 14.3. Transport hazard class(es) ADR Transport hazard class(es) (ADR) IMDG</li></ul>	<ul> <li>Not applicable</li> </ul>
13.1. Waste treatment methods Additional information In accordance with ADR / RID / IMDG / IATA / ADN 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IMDG) UN-No. (IATA) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (IATA) Proper Shipping Name (RID) 14.3. Transport hazard class(es) ADR Transport hazard class(es) (ADR) IMDG Transport hazard class(es) (IMDG)	<ul> <li>Not applicable</li> </ul>
<ul> <li>13.1. Waste treatment methods Additional information </li> <li>SECTION 14: Transport information In accordance with ADR / RID / IMDG / IATA / ADN 14.1. UN number UN-No. (ADR) UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (IATA) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (RID) 14.3. Transport hazard class(es) ADR Transport hazard class(es) (ADR) IMDG</li></ul>	<ul> <li>Not applicable</li> </ul>
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<ul> <li>13.1. Waste treatment methods Additional information </li> <li>SECTION 14: Transport information In accordance with ADR / RID / IMDG / IATA / ADN 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IMDG) UN-No. (IATA) UN-No. (IATA) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (RID) 14.3. Transport hazard class(es) ADR Transport hazard class(es) (IMDG) IATA</li></ul>	<ul> <li>Not applicable</li> </ul>
<ul> <li>13.1. Waste treatment methods Additional information </li> <li>SECTION 14: Transport information In accordance with ADR / RID / IMDG / IATA / ADN 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (IATA) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (RDD) 14.3. Transport hazard class(es) (ADR Transport hazard class(es) (IMDG) IATA Transport hazard class(es) (IMDG) IATA Transport hazard class(es) (IATA)</li></ul>	<ul> <li>Not applicable</li> </ul>
<ul> <li>13.1. Waste treatment methods Additional information</li> <li>SECTION 14: Transport information In accordance with ADR / RID / IMDG / IATA / ADN 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IMDG) UN-No. (IATA) UN-No. (RID)</li> <li>14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG)</li> <li>Proper Shipping Name (IATA)</li> <li>Proper Shipping Name (RID)</li> <li>14.3. Transport hazard class(es) ADR Transport hazard class(es) (IMDG)</li> <li>IATA Transport hazard class(es) (IMDG)</li> <li>IATA Transport hazard class(es) (IATA)</li> <li>ADN</li> </ul>	<ul> <li>Not applicable</li> </ul>
13.1. Waste treatment methods Additional information SECTION 14: Transport information In accordance with ADR / RID / IMDG / IATA / ADN 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IMDG) UN-No. (IATA) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID) 14.3. Transport hazard class(es) ADR Transport hazard class(es) (ADR) IMDG Transport hazard class(es) (IMDG) IATA Transport hazard class(es) (IATA) ADN Transport hazard class(es) (IATA)	<ul> <li>Not applicable</li> </ul>

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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 A	inex II of Marpol and the IBC Code
Not applicable	
SECTION 15: Regulatory informati	bn

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

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

#### 15.1.2. National regulations

### Germany

Reference to AwSV	: Water hazard class (WGK) 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	: Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)
Netherlands	
SZW-lijst van kankerverwekkende stoffen	<ul> <li>Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts,Phenol, dodecyl-, branched are listed</li> </ul>
SZW-lijst van mutagene stoffen	: Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts,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
15.2. Chemical safety assessment	

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

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### **SECTION 16: Other information** Abbreviations and acronyms: ACGIH: American Conference of Governmental Industrial Hygienists TWA: Time Weighted Average TLV: Threshold Limit Value ASTM: American Society for Testing and Materials ADR: Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail ADNR: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin IMDG: International Maritime Dangerous Goods ICAO: International Civil Aviation Organization IATA: International Air Transport Association STEL: Short Term Exposure Limit LD50: median Lethal Dose for 50% of subjects ATE: acute toxicity estimate LC50: median Lethal Concentration for 50% of subjects EC50: concentration producing 50% effect The information in this SDS was obtained from sources which we believe are reliable. However, the Other information information is provided without any warranty, express or implied, regarding its correctness. The conditions

information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

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. 1B	Reproductive toxicity, Category 1B
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H360F	May damage 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.
EUH210	Safety data sheet available on request.

### 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