

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 09/09/2014 Revision date: 29/03/2023 Supersedes version of: 28/07/2022 Version: 4.5

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

1.1. Product identifier

Product code	:	Mixture C-Tec Special C2 0W-30 65615 MASTEROIL
Product group	:	Blend

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
 : 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 data sheet

masteroil GmbH Stockholmer Allee 30b 44269 Dortmund Germany T 0231 / 44 42 47 64 <u>info@masteroil.com</u> - <u>www.masteroil.com</u>

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9	+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	+972 4 854 1900	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital Msida MSD 2090	+356 2545 6508	
Sweden	Giftinformationscentralen	Box 60 500 171 76 Stockholm	112 – begär Giftinformation +46 10 456 6700 (Från utlandet)	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] **EUH-statements** : EUH208 - Contains molybdenum polysulphide long chain alkyl dithiocarbamate complex,

C14-16-18 Alkylphenol. May produce an allergic reaction. EUH210 - Safety data sheet available on request.

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments

: The mineral oils in the product contain < 3% DMSO extract (IP 346)

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	1 – 1.49	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
molybdenum polysulphide long chain alkyl dithiocarbamate complex	EC-No.: 457-320-2 REACH-no: 01-0000019337- 66	0.1 – 0.99	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412
C14-16-18 Alkylphenol	CAS-No.: 1190625-94-5 EC-No.: 931-468-2 REACH-no: 01-2119498288- 19	0.1 – 0.49	Skin Sens. 1, H317 STOT RE 2, H373

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- and EUH-statements: see section 16

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.
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4.2. Most important symptoms and effects, 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. 	

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

No additional information available

SECTION 5: Firefighting measure	9S
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	Water fog. Foam. Powder. Dry chemical product.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 Firefighting instructions Protection during firefighting	 Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release m	neasures

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 authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up		
For containment Methods for cleaning up Other information	 Impound and recover large spill by mixing it with inert granular solids. Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr. Spill area may be slippery. 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

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according to the REACT Regulation (EC) 1307	
lygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking o smoking and when leaving work.
7.2. Conditions for safe storage, in	ncluding 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	
3.1.1 National occupational exposure a	and biological limit values
C-Tec Special C2 0W-30	
Belgium - Occupational Exposure Lim	nits
Local name	Huiles minérales (brouillards) # Olie (minerale-; nevel)
OEL TWA	5 mg/m ³
OEL STEL	10 mg/m ³
Regulatory reference	Koninklijk besluit/Arrêté royal 02/09/2018
molybdenum polysulphide long chain alkyl dithiocarbamate complex	
EU - Indicative Occupational Exposur	e Limit (IOEL)
Local name	Molybdenum polysulphide long chain alkyl dithiocarbamate complex
IOEL TWA	10 mg/m ³
USA - ACGIH - Occupational Exposure	e Limits
ACGIH OEL TWA	5 mg/m ³

10 mg/m³

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

ACGIH OEL STEL

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:

Safety glasses. Gloves.

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Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Standard EN 166 - Personal eye-protection.

8.2.2.2. Skin protection

Skin and body protection:

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

Hand protection:

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

8.2.2.3. Respiratory protection

Respiratory protection:

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

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical p	roperties	
9.1. Information on basic physical and chemical properties		
Physical state	: Liquid	
Colour	: brown.	
Appearance	: Oily liquid.	
Odour	: Characteristic.	
Odour threshold	: Not available	
Melting point	: Not available	
Freezing point	: Not available	
Boiling point	: Not available	
Flammability	: Not available	
Explosive limits	: Not available	
Lower explosion limit	: Not available	
Upper explosion limit	: Not available	
Flash point	: > 200 °C @ ASTM D92	
Auto-ignition temperature	: Not available	
Decomposition temperature	: Not available	
рН	: Not available	
Viscosity, kinematic	: 52 mm²/s @ 40°C	
Solubility	: Slightly soluble, the product remains on the water surface.	
Partition coefficient n-octanol/water (Log Kow)	: Not available	
Vapour pressure	: Not available	
Vapour pressure at 50°C	: Not available	

Density : 842 kg/m³ @ 15°C Relative density : Not available Relative vapour density at 20°C : Not available

Particle characteristics : Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

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9.2.2. Other safety characteristics

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.	
10.6. Hazardous decomposition products	

None under normal conditions.

SECTION 11: Toxicological information		
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008		
Acute toxicity (oral):Acute toxicity (dermal):Acute toxicity (inhalation):	Not classified Not classified Not classified	
molybdenum polysulphide long chain alkyl di	ithiocarbamate complex	
LD50 oral rat	> 2000 mg/kg OECD 425	
LD50 dermal rat	> 2000 mg/kg OECD 402	
Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate) (93819-94-4)	
LD50 oral rat	2600 mg/kg 67/548/EEG annex V	
LD50 dermal rabbit	> 3160 mg/kg OECD 402	
LC50 Inhalation - Rat	> 2 mg/l 1h - OECD 403 - read across	
Skin corrosion/irritation :	Not classified	
molybdenum polysulphide long chain alkyl di	ithiocarbamate complex	
Skin corrosion/irritation, rabbit	(4 Hours, (OECD 404 method), Causes skin irritation.)	
Serious eye damage/irritation :	Not classified	
Respiratory or skin sensitisation :	Not classified	
molybdenum polysulphide long chain alkyl dithiocarbamate complex		
Respiratory or skin sensitisation, Guinea pig	(OPPTS 870.2600, Causes sensitisation)	
Germ cell mutagenicity :	Not classified	
Carcinogenicity :	Not classified	
Reproductive toxicity :	Not classified	
STOT-single exposure :	Not classified	
STOT-repeated exposure :	Not classified	

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C14-16-18 Alkylphenol (1190625-94-5)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
C-Tec Special C2 0W-30	
Viscosity, kinematic	52 mm²/s @ 40°C
11.2. Information on other hazards	

No additional information available

SECTION 12: Ecological information 12.1. Toxicity Hazardous to the aquatic environment, short-term : Not classified (acute) Hazardous to the aquatic environment, long-term : Not classified (chronic) molybdenum polysulphide long chain alkyl dithiocarbamate complex EC50 - Crustacea [1] 50 mg/l OECD 202 (Daphnia magna, 48h) EC50 72h - Algae [1] 14 mg/l OECD 201 (Pseudokirchneriella subcapitata) NOEC (acute) 94.8 mg/l OECD 203 (Oncorhynchus mykiss, 96h) NOEC chronic crustacea 100 mg/l @21d - Daphnia Magna (OECD 211) NOEC chronic algae 4.05 mg/l Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate) (93819-94-4) LC50 - Fish [1] 4.5 mg/I OECD 203 (Oncorhynchys mykiss) 96h EC50 - Crustacea [1] 5.4 mg/l OECD 202 (Daphnia magna) 48h EC50 72h - Algae [1] 2.1 mg/l OECD 201 (Selenastrum capricornutum) 48h

12.2. Persistence and degradability

C-Tec Special C2 0W-30		
Persistence and degradability Not soluble in water, so only minimally biodegradable.		
molybdenum polysulphide long chain alkyl dithiocarbamate complex		
Persistence and degradability Not readily biodegradable.		
Biodegradation	23 % OECD 301 (29d)	
Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate) (93819-94-4)		
Biodegradation 1.5 % OECD 301B 28d		
12.3. Bioaccumulative potential		

molybdenum polysulphide long chain alkyl dithiocarbamate complex		
BCF - Fish [1] 88 OECD 305 (Cyprinus carpio, 25°C)		
Bioconcentration factor (BCF REACH) 88 OECD 305 (Cyprinus carpio - @25°C - 0,05mg/l)		
Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate) (93819-94-4)		
Partition coefficient n-octanol/water (Log Pow) 0.9 @23°C		

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12.4. Mobility in soil			
molybdenum polysulphide long chain alkyl dithiocarbamate complex			
Ecology - soil	Adsorbs into the soil.		
Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-bu	utyl)]bis(dithiophosphate) (93819-94-4)		
Ecology - soil	Adsorbs into the soil.		
12.5. Results of PBT and vPvB assessment	t		
No additional information available			
12.6. Endocrine disrupting properties			
No additional information available			
12.7. Other adverse effects			
No additional information available			
SECTION 13: Disposal considerations			
13.1. Waste treatment methods			
Additional information	: Dispose in a safe manner in accordance with local/national regulations.		
SECTION 44. Transmost information			
SECTION 14: Transport Information			
SECTION 14: Transport information In accordance with ADR / IMDG / IATA / ADN / RID			
In accordance with ADR / IMDG / IATA / ADN / RID 14.1. UN number or ID number UN-No. (ADR)	: Not applicable		
In accordance with ADR / IMDG / IATA / ADN / RID 14.1. UN number or ID number UN-No. (ADR) UN-No. (IMDG)	: Not applicable		
In accordance with ADR / IMDG / IATA / ADN / RID 14.1. UN number or ID number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN)	Not applicableNot applicableNot applicable		
In accordance with ADR / IMDG / IATA / ADN / RID 14.1. UN number or ID number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID)	Not applicableNot applicable		
In accordance with ADR / IMDG / IATA / ADN / RID 14.1. UN number or ID number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name	 Not applicable Not applicable Not applicable Not applicable 		
In accordance with ADR / IMDG / IATA / ADN / RID 14.1. UN number or ID number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID)	Not applicableNot applicableNot applicable		
In accordance with ADR / IMDG / IATA / ADN / RID 14.1. UN number or ID number UN-No. (ADR) UN-No. (IMDG) 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)	 Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable		
In accordance with ADR / IMDG / IATA / ADN / RID 14.1. UN number or ID number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG)	 Not applicable Not applicable Not applicable Not applicable 		
In accordance with ADR / IMDG / IATA / ADN / RID 14.1. UN number or ID number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) 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 (ADN)	 Not applicable 		
In accordance with ADR / IMDG / IATA / ADN / RID 14.1. UN number or ID number UN-No. (ADR) UN-No. (IMDG) 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 (ADN) Proper Shipping Name (ADN) Proper Shipping Name (RID)	 Not applicable 		
In accordance with ADR / IMDG / IATA / ADN / RID 14.1. UN number or ID number UN-No. (ADR) UN-No. (IMDG) 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 (ADN) Proper Shipping Name (RID) 14.3. Transport hazard class(es)	 Not applicable 		
In accordance with ADR / IMDG / IATA / ADN / RID 14.1. UN number or ID number 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 (ADN) Proper Shipping Name (ADN) Proper Shipping Name (RID) 14.3. Transport hazard class(es) ADR Transport hazard class(es) (ADR) IMDG	 Not applicable 		
In accordance with ADR / IMDG / IATA / ADN / RID 14.1. UN number or ID 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 (ADN) Proper Shipping Name (RID) 14.3. Transport hazard class(es) ADR Transport hazard class(es) (ADR) IMDG Transport hazard class(es) (IMDG)	 Not applicable 		
In accordance with ADR / IMDG / IATA / ADN / RID 14.1. UN number or ID 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 (RID) 14.3. Transport hazard class(es) ADR Transport hazard class(es) (ADR) IMDG Transport hazard class(es) (IMDG) IATA	 Not applicable 		
In accordance with ADR / IMDG / IATA / ADN / RID 14.1. UN number or ID number UN-No. (ADR) UN-No. (IMDG) 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 (IATA) Proper Shipping Name (RID) 14.3. Transport hazard class(es) ADR Transport hazard class(es) (ADR) IMDG Transport hazard class(es) (IMDG)	 Not applicable 		

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RID Transport hazard class(es) (RID)	: Not applicable
14.4. Packing group	
Packing group (ADR) Packing group (IMDG) Packing group (IATA) Packing group (ADN) Packing group (RID)	 Not applicable Not applicable Not applicable Not applicable Not applicable
14.5. Environmental hazards	
Dangerous for the environment Marine pollutant Other information	: No : No : 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	

Inland waterway transport

No data available

Rail transport

No data available

14.7. Maritime transport in bulk according to IMO instruments

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

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

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Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Germany

Water hazard class (WGK) Storage class (LGK, TRGS 510) Hazardous Incident Ordinance (12. BImSchV)	 WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1). LGK 10-13 - Other combustible and non-combustible substances. Is not subject of the Hazardous Incident Ordinance (12. BImSchV)
Netherlands	
SZW-lijst van kankerverwekkende stoffen SZW-lijst van mutagene stoffen SZW-lijst van reprotoxische stoffen – Borstvoeding SZW-lijst van reprotoxische stoffen – Vruchtbaarheid SZW-lijst van reprotoxische stoffen – Ontwikkeling	 Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate) is listed Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate) is listed None of the components are listed None of the components are listed None of the components are listed
Denmark	
Danish National Regulations	: Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

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

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Revision date	Modified	
	Supersedes	Modified	
3	Composition/information on ingredients	Modified	
15.1	Water hazard class (WGK)	Added	
15.1	Storage class (LGK, TRGS 510)	Added	

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	

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:

Abbreviations and acronyms:	
ATE: acute toxicity estimate	
LC50: median Lethal Concentration for 50% of subjects	
	EC50: concentration producing 50% effect

Other information

The information in this SDS was obtained from sources which we believe are reliable. However, the 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 Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
EUH208	Contains molybdenum polysulphide long chain alkyl dithiocarbamate complex, C14-16-18 Alkylphenol. May produce an allergic reaction.
EUH210	Safety data sheet available on request.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2

Safety Data Sheet (SDS), EU

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.