

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Issue date: 11/02/2019 Revision date: 03/11/2021 Supersedes version of: 29/01/2020 Version: 2.1

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

#### 1.1. Product identifier

Product form	: Mixture
Product name	: Veedol Powertron C2 Plus 5W-30
Product code	: 03201P017
Type of product	: Veedol
Product group	: Blend
1.2. Relevant identified uses of the subs	tance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Main use category Industrial/Professional use spec Industrial use,Professional use,Consumer use
 Non-dispersive use
 Used in closed systems
 Lubricants and additives

Function or use category

1.2.2. Uses advised against

No additional information available

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

Veedol Deutschland GmbH Hans-Böckler-Straße 10 40764 Langenfeld, Germany Tel. +49 (0)2173 89330-30 E-Mail: info@veedol.com

#### 1.4. Emergency telephone number

Emergency number

: +32 14 58 45 45 (NL/EN/FR/DE)

# 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

#### 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

No additional information available

#### **SECTION 3: Composition/information on ingredients**

## 3.1. Substances

#### Not applicable

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#### 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]
Bis(nonylphenyl)amine	CAS-No.: 36878-20-3 EC-No.: 253-249-4 REACH-no: 01-2119488911- 28	1 – 1.99	Aquatic Chronic 4, H413
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 – 1.99	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Distillates (petroleum), solvent-dewaxed light paraffinic	CAS-No.: 64742-56-9 EC-No.: 265-159-2 EC Index-No.: 649-469-00-9	1 – 1.99	Asp. Tox. 1, H304
Base oil : Paraffin oils catalytic dewaxed heavy (D94/69 p1357) L	CAS-No.: 64742-70-7 EC-No.: 265-174-4 EC Index-No.: 649-477-00-2	1 – 1.99	Asp. Tox. 1, H304
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 – 0.2	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 First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion	<ul> <li>Not expected to require first aid measures.</li> <li>Wash skin with mild soap and water.</li> <li>In case of eye contact, immediately rinse with clean water for 10-15 minutes.</li> <li>Do not induce vomiting. Rinse mouth. Get immediate medical advice/attention.</li> </ul>
4.2. Most important symptoms and effects	s, both acute and delayed
Symptoms/effects after inhalation	<ul> <li>Not expected to present a significant inhalation hazard under anticipated conditions of normal use.</li> </ul>
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	<ul> <li>Not expected to present a significant ingestion hazard under anticipated conditions of normal use.</li> </ul>

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# 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 Unsuitable extinguishing media	<ul><li>Water fog. Foam. Powder. Dry chemical product.</li><li>Do not use a heavy water stream.</li></ul>
5.2. Special hazards arising from the su	bstance or mixture
No additional information available	
5.3. Advice for firefighters	
Precautionary measures fire Firefighting instructions Protection during firefighting	<ul> <li>Exercise caution when fighting any chemical fire.</li> <li>Use water spray or fog for cooling exposed containers.</li> <li>Do not enter fire area without proper protective equipment, including respiratory protection.</li> </ul>

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	<ul> <li>Impound and recover large spill by mixing it with inert granular solids.</li> <li>Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.</li> <li>Spill area may be slippery. Use suitable disposal containers.</li> </ul>

#### 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 Hygiene measures	: < 40 °C : 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, inclue	ding 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



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#### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

molybdenum polysulphide long chain alkyl dithiocarbamate complex		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Molybdenum polysulphide long chain alkyl dithiocarbamate complex	
IOEL TWA	10 mg/m <sup>3</sup>	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA	5 mg/m³	
ACGIH OEL STEL	10 mg/m <sup>3</sup>	

#### 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

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).

#### 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.

Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

No additional information available

#### 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



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#### 8.2.3. Environmental exposure controls

No additional information available

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

Physical state	: Liquid
Appearance	: Oily liquid.
Colour	: 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	: 852 kg/m³ @15°C
Solubility	: Slightly soluble, the product remains on the water surface.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: 59 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

# 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.

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SECTION 11: Toxicological information	
11.1 Information on toxicological effects	
Acute toxicity (oral):Acute toxicity (dermal):Acute toxicity (inhalation):	Not classified Not classified Not classified
Bis(nonylphenyl)amine (36878-20-3)	
LD50 oral rat	> 5000 mg/kg OECD 401
LD50 dermal rat	> 2000 mg/kg OECD 402
molybdenum polysulphide long chain alkyl di	thiocarbamate 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
Distillates (petroleum), solvent-dewaxed light	paraffinic (64742-56-9)
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	5.53 mg/l/4h
Skin corrosion/irritation :	Not classified
molybdenum polysulphide long chain alkyl di	thiocarbamate complex
Skin corrosion/irritation, rabbit	(4 Hours, (OECD 404 method), Causes skin irritation.)
	Not classified
····	Not classified
molybdenum polysulphide long chain alkyl di	-
Respiratory or skin sensitisation, Guinea pig	(OPPTS 870.2600, Causes sensitisation)
	Not classified Not classified
Carcinogenicity : Reproductive toxicity :	Not classified
, ,	Not classified
	Not classified
C14-16-18 Alkylphenol (1190625-94-5)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard :	Not classified
Veedol Powertron C2 Plus 5W-30	
Viscosity, kinematic	59 mm²/s @ 40°C

## SECTION 12: Ecological information

## 12.1. Toxicity

Hazardous to the aquatic environment, short-term : Not classified (acute)

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Bis(nonylphenyl)amine (36878-20-3)		
LC50 - Fish [1]	> 100 mg/l OECD 203 (Danio rerio @96h)	
EC50 - Crustacea [1]	> 100 mg/l OECD 202 (Daphnia magna)	
EC50 72h - Algae [1]	> 100 mg/l OECD 201 (Desmodesdus subspicatus)	
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/l OECD 203 (Oncorhynchys mykiss) 96h	
EC50 - Crustacea [1]	5.4 mg/l OECD 202 (Daphnia magna) 48h	
C50 72h - Algae [1] 2.1 mg/l OECD 201 (Selenastrum capricornutum) 48h		

## 12.2. Persistence and degradability

Veedol Powertron C2 Plus 5W-30		
Persistence and degradability Not soluble in water, so only minimally biodegradable.		
Bis(nonylphenyl)amine (36878-20-3)		
Persistence and degradability	Not readily biodegradable.	
Biodegradation	1 % @28d	
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

Bis(nonylphenyl)amine (36878-20-3)		
Partition coefficient n-octanol/water (Log Pow)	> 7.6	
Bioaccumulative potential	Potential to bioaccumulate.	
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 Bis(nonylphenyl)amine (36878-20-3) Ecology - soil Adsorbs into the soil. molybdenum polysulphide long chain alkyl dithiocarbamate complex Ecology - soil Adsorbs into the soil. Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate) (93819-94-4) Ecology - soil Adsorbs into the soil. 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

Additional information

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

SECTION 14: Transport information		
In accordance with ADR / IMDG / IATA / ADN / RID		
14.1 UN number		
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID)	<ul> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> </ul>	
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)	<ul> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> </ul>	
14.3. Transport hazard class(es)		
ADR Transport hazard class(es) (ADR)	: Not applicable	
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	

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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 Marine pollutant Other information

NoNo supplementary information available

: No

#### 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

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.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

#### 15.1.2. National regulations

Germany
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Water hazard class (WGK)	: WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)
Hazardous Incident Ordinance (12. BImSchV)	: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)
Netherlands	
SZW-lijst van kankerverwekkende stoffen	: Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate), Distillates (petroleum),
	solvent-dewaxed light paraffinic,Base oil : Paraffin oils catalytic dewaxed heavy (D94/69 p1357) L are listed
SZW-lijst van mutagene stoffen	: Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate), Distillates (petroleum),
	solvent-dewaxed light paraffinic,Base oil : Paraffin oils catalytic dewaxed heavy (D94/69
	p1357) L are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: None of the components are listed

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SZW-lijst van reprotoxische stoffen –	: None of the components are listed
Vruchtbaarheid	
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: None of the components are listed
Denmark	
Danish National Regulations	: Pregnant/breastfeeding women working with the product must not be in direct contact wit the product
Switzerland	
Storage class (LK)	: LK 10/12 - Liquids

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	
2.2	EUH-statements	Modified	
3	Composition/information on ingredients	Modified	
7.2	Storage temperature	Modified	
9.1	Colour	Modified	

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 Professional's Choir

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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	
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4	
Asp. Tox. 1	Aspiration hazard, Category 1	
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	
H304	May be fatal if swallowed and enters airways.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
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.	
H413	May cause long lasting harmful effects to aquatic life.	
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.