

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SAE 5W-30 Special F

Revision date: 20.07.2020

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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

Lubricating agent

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name:	Vierol AG	
Street:	Karlstrasse 19	
Place:	D-26123 Oldenburg	
Telephone:	+49 (0) 441 – 210 20 – 0	Telefax: +49 (0) 441 – 210 20 –111
e-mail:	info@vierol.de	
Internet:	www.vierol.de	

1.4. Emergency telephone number:Gif tinformat ionszentrum Nord (Göttingen)
+49 (0)551/19240**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Harmful to aquatic life with long lasting effects.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

Special labelling of certain mixtures

EUH208 Contains Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salt. May produce an allergic reaction.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic			50-<=83,8 %
	265-157-1	649-467-00-8	01-2119484627-25	
	Asp. Tox. 1; H304			
722503-68-6	Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salt			0-<0,5 %
	682-816-2			
	Skin Sens. 1B; H317			
121158-58-5	phenol, dodecyl-, branched			0-<0,15 %
	310-154-3	604-092-00-9		
	Repr. 1B, Skin Corr. 1C, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1; H360F H314 H318 H400 H410			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
64742-54-7	265-157-1	Distillates (petroleum), hydrotreated heavy paraffinic	50-<=83,8 %
	inhalation: LC50 = 5,53 mg/l (dusts or mists); dermal: LD50 = 5000 mg/kg; oral: LD50 = >5000 mg/kg		
121158-58-5	310-154-3	phenol, dodecyl-, branched	0-<0,15 %
	dermal: LD50 = 15000 mg/kg; oral: LD50 = 2100 mg/kg M akut; H400: M=10 M chron.; H410: M=10		

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

Provide fresh air.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.
Take off immediately all contaminated clothing.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.
In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Aspiration hazard
Do NOT induce vomiting. Get immediate medical advice/attention.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

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5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.
Use water spray jet to protect personnel and to cool endangered containers.

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Non-flammable. In case of fire may be liberated:
Carbon dioxide
Carbon dioxide (CO₂)
Sulphur oxides

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

Provide adequate ventilation. Remove persons to safety.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Prevent further leakage or spillage if safe to do so. Remove all sources of ignition.

Provide fresh air.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Wear personal protection equipment (refer to section 8).
When using do not eat, drink or smoke.
Avoid formation of oil dust. Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Keep away from heat. Put lids on containers immediately after use.
In case of insufficient ventilation, wear suitable respiratory equipment.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Further information on handling

Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep/Store only in original container.

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Store in a cool dry place. Store in a well-ventilated place. Protect from direct sunlight. Keep away from heat.

Hints on joint storage

No special measures are necessary.

7.3. Specific end use(s)

Lubricating agent

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic			
Worker DNEL, long-term		inhalation	local	5,4 mg/m ³
Consumer DNEL, long-term		inhalation	local	1,2 mg/m ³

PNEC values

CAS No	Substance	Value
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic	
	Secondary poisoning	9,33 mg/kg
121158-58-5	phenol, dodecyl-, branched	
	Freshwater	0,000074 mg/l
	Marine water	0,000074 mg/l
	Freshwater sediment	0,26 mg/kg
	Marine sediment	0,026 mg/kg
	Soil	0,118 mg/kg

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls



Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Eye/face protection

Wear eye/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

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Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Liquid	
Colour:	light brown	
Odour:	Mild petroleum oil like	
pH-Value:		not determined

Changes in the physical state

Melting point:		not determined
Boiling point or initial boiling point and boiling range:		not determined
Pour point:		-39 °C
Flash point:		240 °C

Flammability

Solid/liquid:		not applicable
Gas:		not applicable
Lower explosion limits:		not determined
Upper explosion limits:		not determined

Self-ignition temperature

Solid:		not applicable
Gas:		not applicable
Decomposition temperature:		not determined

Oxidizing properties

Not oxidising.		
Vapour pressure:		not determined
Density (at 15 °C):		0,852 g/cm ³
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.	

Solubility in other solvents

not determined		
Partition coefficient n-octanol/water:		not determined
Viscosity / kinematic: (at 40 °C)		56,4 mm ² /s
Relative vapour density:		not determined
Evaporation rate:		not determined
Solvent content:		0,0%

9.2. Other information

Solid content:		not determined
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SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

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The product is stable under storage at normal ambient temperatures.

10.4. Conditions to avoid

none

10.5. Incompatible materials

Reacts with : Oxidizing agent und Reducing agent

10.6. Hazardous decomposition products

Gases/vapours, irritant Carbon dioxide (CO₂)

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic				
	oral	LD50 mg/kg >5000	Rat	ECHA Dossier	OECD 401
	dermal	LD50 mg/kg 5000	Rabbit	ECHA Dossier	OECD 402
	inhalation (4 h) aerosol	LC50 5,53 mg/l	Ratte	ECHA Dossier	OECD 403
121158-58-5	phenol, dodecyl-, branched				
	oral	LD50 mg/kg 2100	Rat OECD 401	ECHA Dossier	
	dermal	LD50 mg/kg 15000	Rabbit OECD 402	ECHA Dossier	

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Contains Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salt. May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic					
	Acute fish toxicity	LC50	100 mg/l	96 h		
	Acute crustacea toxicity	EC50	10000 mg/l	48 h		
	Fish toxicity	NOEC	100 mg/l	4 d		
	Algae toxicity	NOEC	100 mg/l	3 d		
121158-58-5	phenol, dodecyl-, branched					
	Acute algae toxicity	ErC50	0,36 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier
	Fish toxicity	NOEC	0,0037 mg/l	21 d	Daphnia magna (Big water flea)	ECHA Dossier

12.2. Persistence and degradability

Poorly biodegradable.

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic				
	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D	31%	28	ECHA Dossier	
	Not readily biodegradable (according to OECD criteria)				
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	2-4%	28	ECHA Dossier	
	Not readily biodegradable (according to OECD criteria)				
121158-58-5	phenol, dodecyl-, branched				
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	25%	28		
	Not readily biodegradable (according to OECD criteria)				

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
121158-58-5	phenol, dodecyl-, branched	7,1

BCF

CAS No	Chemical name	BCF	Species	Source
121158-58-5	phenol, dodecyl-, branched	2,9		

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.7. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Delivery to an approved waste disposal company.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 30

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

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Water hazard class (D): 2 - obviously hazardous to water
Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,2,3,4,5,6,7,9,10,11,12,13,15,16.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(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
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H360F May damage fertility.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
EUH208 Contains Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salt. May produce an allergic reaction.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)