

**Email competent person** 

sds@kft.de

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 16/07/2024 Revision date: 16/07/2024 Version: 1.00

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

### 1.1. Product identifier

Product form : Mixture

Trade name : Synthetic Performance MTP Oil SAE 20W50 Product code : 921226, 921227, 921228, 921229, 921230

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

#### 1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Lubricant

### 1.2.2. Uses advised against

No additional information available

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

Custom Chrome Europe GmbH Carl-von-Ossietzky-Straße 8

D-55459 Grolsheim

Manufacturer/Supplier

Telefon: +49 6721 4007-0 (Zentrale 09:00 - 18:00 Uhr)

Email: info@customchrome.de

Contact for request of safety data sheets: products@customchrome.de

### 1.4. Emergency telephone number

Emergency number : GIZ-Nord, Göttingen

Germany +49 551 19240

Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	

## **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

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

### 2.2. Label elements

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

Precautionary statements (CLP) : P102 - Keep out of reach of children.

EUH-statements : EUH208 - Contains Calcium sulfonate. May produce an allergic reaction.

EUH210 - Safety data sheet available on request.

Child-resistant fastening : Not applicable Tactile warning : Not applicable

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#### 2.3. Other hazards

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

Component		
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Distillates (petroleum), hydrotreated light paraffinic; Baseoil— unspecified (64742-55-8), Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6), Calcium sulfonate	
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Distillates (petroleum), hydrotreated light paraffinic; Baseoil— unspecified (64742-55-8), Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6), Calcium sulfonate	

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 substance(s) are 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 %

Component	
Substance(s) not 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	Distillates (petroleum), hydrotreated light paraffinic; Baseoil— unspecified (64742-55-8), Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6)

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

## 3.1. Substances

Not applicable

## 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated light paraffinic; Baseoil— unspecified (Note L)	CAS-No.: 64742-55-8 EC-No.: 265-158-7 EC Index-No.: 649-468-00-3 REACH-no: 01-2119487077- 29-xxxx	≥ 10 - < 20	Asp. Tox. 1, H304
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts	CAS-No.: 68784-31-6 EC-No.: 272-238-5 REACH-no: 01-2119657973- 23-xxxx	≥ 1 - < 2.5	Eye Dam. 1, H318 Aquatic Chronic 2, H411
Calcium sulfonate	-	≥ 0,10 - < 1	Skin Sens. 1B, H317

Note L:

The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ("Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method" Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

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 general : In all cases of doubt, or when symptoms persist, seek medical attention.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

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First-aid measures after skin contact : Wash skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after skin contact : May cause an allergic skin reaction.

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

Treat symptomatically.

### **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam.

Carbon dioxide.

Unsuitable extinguishing media : Strong water jet.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released. Sulphur dioxide. calcium oxide. Zinc oxide. Carbon

monoxide. Carbon dioxide.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

Other information : Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be

done according to official regulations.

### **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid sub-soil penetration. 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

Methods for cleaning up : Take up liquid spill into absorbent material. Take up mechanically (sweeping, shovelling)

and collect in suitable container for disposal.

Other information : Disposal must be done according to official regulations.

### 6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product.

## 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

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Information about storage in one common storage : Keep away from food, drink and animal feeding stuffs.

## 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

### 8.1.1 National occupational exposure and biological limit values

No additional information available

### 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

Distillates (petroleum), hydrotreated lig	ht paraffinic; Baseoil— unspecified (64742-55-8)
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	0.97 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2.73 mg/m³
Long-term - local effects, inhalation	5.58 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	0.74 mg/kg bodyweight/day
Long-term - local effects, inhalation	1.19 mg/m³
PNEC (Oral)	
PNEC oral (secondary poisoning)	9.33 mg/kg food
Phosphorodithioic acid, mixed O,O-bis(	(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6)
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	100 mg/kg bodyweight/day
Acute - systemic effects, inhalation	496.4 mg/m³
Long-term - systemic effects, dermal	10.42 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2.93 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, oral	29 mg/kg bodyweight
Long-term - systemic effects,oral	0.21 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	11.75 mg/m³
Long-term - systemic effects, dermal	2.1 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	4 μg/L
PNEC aqua (marine water)	4.6 µg/L
PNEC aqua (intermittent, freshwater)	44 μg/L
PNEC (Sediment)	•
PNEC sediment (freshwater)	0.07 mg/kg dwt

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PNEC sediment (marine water)	0.007 mg/kg dwt	
PNEC (Soil)		
PNEC soil 0.055 mg/kg dwt		
PNEC (Oral)		
PNEC oral (secondary poisoning) 8.33 mg/kg food		
PNEC (STP)		
PNEC sewage treatment plant	3.8 mg/l	

## 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

### 8.2.2.1. Eye and face protection

### Eye protection:

Use splash goggles when eye contact due to splashing is possible. ISO 16321-1

### 8.2.2.2. Skin protection

### Skin and body protection:

Wear suitable protective clothing. EN ISO 13688. EN 13034

### Hand protection:

In case of repeated or prolonged contact wear gloves. Nitrile rubber. ISO 374-1. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear

## 8.2.2.3. Respiratory protection

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Breathing apparatus with filter. P2. EN 143. Breathing equipment is only to be used in order to handle the residual risk of short term jobs if all other risk minimizing measures have been carried out e.g. retention and/or local exhaust

## 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

### **Environmental exposure controls:**

Avoid release to the environment.

### Other information:

The above mentioned instructions regarding the protective equipment refer to the industrial use of larger quantities.

## SECTION 9: Physical and chemical properties

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

Physical state : Liquid
Colour
Colour : light brown.
Odour
Codour threshold : Not available
Melting point : Not applicable
Freezing point : Not available
Boiling point : Not available

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Flammability : Not available

Explosive properties : Product is not explosive.

Oxidising properties : Non oxidizing.

Lower explosion limit : Not available

Upper explosion limit : Not available

Flash point : 240 °C

Auto-ignition temperature : Not available

Decomposition temperature : Not available

pH : Not available

Viscosity, kinematic : 143.8 mm²/s (40°C)
Solubility : Material insoluble in water.

Partition coefficient n-octanol/water (Log Kow)

Vapour pressure

Vapour pressure at 50°C

Density

Relative density

Relative vapour density at 20°C

Particle characteristics

Not available

Not available

Not available

Not available

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

### 9.2.2. Other safety characteristics

No additional information available

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

## 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

## 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: Toxicological information**

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

Acute toxicity (oral)

Acute toxicity (dermal)

Cute toxicity (dermal)

Cute toxicity (inhalation)

Cute toxicity

Additional information : Bridging principle "Substantially similar mixtures"

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Additional information : May cause sensitisation of susceptible persons

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

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Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

Synthetic Performance MTP Oil SAE 20W50		
Viscosity, kinematic	143.8 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 (Based on available data, the classification criteria are not met)

(acute)

Hazardous to the aquatic environment, long-term

: Not classified (Based on available data, the classification criteria are not met)

(chronic)

Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6)		
LC50 - Fish [1] 46 mg/l (OECD 203 method)		
EC50 - Crustacea [1]	75 mg/l (OECD 202 method)	
NOEC chronic crustacea 0.4 mg/l (21d; (OECD 211 method))		

### 12.2. Persistence and degradability

Synthetic Performance MTP Oil SAE 20W50		
Persistence and degradability The product has not been tested.		
Distillates (petroleum), hydrotreated light paraffinic; Baseoil— unspecified (64742-55-8)		
Persistence and degradability  Not readily biodegradable.		

## 12.3. Bioaccumulative potential

Distillates (petroleum), hydrotreated light paraffinic; Baseoil— unspecified (64742-55-8)			
Partition coefficient n-octanol/water (Log Pow) > 6			
Phosphorodithioic acid, mixed O,O-bis(sec-B	u and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6)		

### 12.4. Mobility in soil

No additional information available

## 12.5. Results of PBT and vPvB assessment

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Distillates (petroleum), hydrotreated light paraffinic; Baseoil— unspecified (64742-55-8), Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6), Calcium sulfonate
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Distillates (petroleum), hydrotreated light paraffinic; Baseoil— unspecified (64742-55-8), Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6), Calcium sulfonate

## 12.6. Endocrine disrupting properties

No additional information available

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### 12.7. Other adverse effects

No additional information available

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Waste treatment methods : Disposal must be done according to official regulations. European waste catalogue. Do not

discharge into drains or the environment. Do not dispose of with domestic waste.

Product/Packaging disposal recommendations : Recycle or dispose of in compliance with current legislation.

European List of Waste (LoW, EC 2000/532) : 13 02 05\* - mineral-based non-chlorinated engine, gear and lubricating oils

## **SECTION 14: Transport information**

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID n	umber		,	,
Not regulated for transport				
14.2. UN proper shipping	g name			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard c	lass(es)	•		
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group		•		
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental haz	ards	•		
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information	n available	•	,	

## 14.6. Special precautions for user

### **Overland transport**

Not regulated

### Transport by sea

Not regulated

### Air transport

Not regulated

## Inland waterway transport

Not regulated

## Rail transport

Not regulated

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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### **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)**

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	
3(b)	Distillates (petroleum), hydrotreated light paraffinic; Baseoil— unspecified; Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts; Calcium sulfonate	
3(c)	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts	

### **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)

### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

### **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)

### **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

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## **SECTION 16: Other information**

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
CAS-No.	Chemical Abstract Service number	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	

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EC50	Median effective concentration
EC-No.	European Community number
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TLM	Median Tolerance Limit
vPvB	Very Persistent and Very Bioaccumulative

Data sources : European Chemicals Agency, http://echa.europa.eu/. MSDS of the supplier.

Department issuing data specification sheet: : KFT Chemieservice GmbH

Im Leuschnerpark 3 D-64347 Griesheim

Phone: +49 6155-8981-400 Fax: +49 6155 8981-500

SDS Service: +49 6155 8981-522

Contact person : Sonja Lenter

Full text of H- and EUH-statements:		
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2	
Asp. Tox. 1	Aspiration hazard, Category 1	
EUH208	Contains Calcium sulfonate. May produce an allergic reaction.	
EUH210	Safety data sheet available on request.	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
H304	May be fatal if swallowed and enters airways.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H411	Toxic to aquatic life with long lasting effects.	
Skin Sens. 1B	Skin sensitisation, category 1B	

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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.