



Engine oil

Product Reference code:93165215

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision date: 4/24/2020 Version: 2.00

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

1.1. Product identifier

Product form : Mixture
Trade name : Engine oil SAE 10W-40
Product code : 93165215
Type of product : Engine oils
Synonyms : Motoröl / Engine oil / Huile moteur

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 : Used in the automobile industry

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Name Opel Automobile GmbH
D 65423 Rüsselsheim am Main
Fax +49-6142/ 749-503
E-mail OPEL-helpdesk@ifz-berlin.de
Inquiry office
IFZ Ingenieurbüro und Consulting GmbH
Telephone: +49 30 / 2904897-10

1.4. Emergency telephone number

Emergency number +49 61 31 19240
United Kingdom +44 870 600 626 / 0870 600 6266

Further information

Apply safety data sheet to the following products:

Part-No.	amount
93165215	4 L

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 2 H319

Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Full text of H statements : see section 16



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Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H319 - Causes serious eye irritation.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) :

P102 - Keep out of reach of children.
P273 - Avoid release to the environment.
P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

EUH-statements :

EUH208 - Contains benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs, calcium salts(722503-68-6). May produce an allergic reaction.

2.3. Other hazards

Other hazards not contributing to the classification :

Slipping hazard due to leakage.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments :

This product contains mineral oil.
(IP 346 DMSO extract< 3 %)

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	(CAS-No.) 72623-87-1 (EC-No.) 276-38-4 (EC Index-No.) 649-483-00-5 (REACH-no) 01-2119474889-13	20 - 30	Asp. Tox. 1, H304
distillates (petroleum), hydrotreated heavy paraffinic	(CAS-No.) 64742-54-7 (EC-No.) 265-157-1 (EC Index-No.) 649-467-00-8 (REACH-no) 01-2119484627-25	10 - 20	Asp. Tox. 1, H304
phosphorodithioic acid, mixed O,O-bis(sec-butyl and 1,3 dimethylbutyl)ester, zinc salts	(CAS-No.) 68784-31-6 (EC-No.) 272-238-5 (REACH-no) 01-2119657973-23	1 - 2.5	Eye Dam. 1, H318 Aquatic Chronic 2, H411
bis(nonylphenyl)amine	(CAS-No.) 36878-20-3 (EC-No.) 253-249-4 (REACH-no) 01-2119488911-28	1 - 2.5	Aquatic Chronic 4, H413
benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts	(CAS-No.) 722503-68-6 (EC-No.) 682-816-2	0.1 - 1	Skin Sens. 1, H317 Aquatic Chronic 4, H413
phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched	(CAS-No.) 121158-58-5 (EC-No.) 310-154-3 (EC Index-No.) 604-092-00-9 (REACH-no) 01-2119513207-49	0.025 - 0.1	Repr. 1B, H360F Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)

Full text of H-statements: see section 16



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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : If you feel unwell, seek medical advice. Show this safety data sheet to the doctor in attendance. If unconscious, place the person in the recovery position and seek medical advice immediately. Do not administer liquids to the unconscious person and avoid vomiting. Higher exposure: Protection is needed for the First Aider. In the case of hazardous fumes, wear self contained breathing apparatus. If by mouth to mouth use rescuer protection (pocket mask, etc.). Eye wash fountains and safety showers must be easily accessible.
- First-aid measures after inhalation : When high concentrations of oil mist, smoke or vapour are inhaled, e.g. in the case of aerosol formation: Move and lay victim down to fresh air, in order to improve breathing. In case of irregular breathing or respiratory arrest: Give oxygen or artificial respiration if necessary. Lay the affected person down, and keep her or him warm and calm. Upon irritation of the respiratory tract or mucous membranes (e.g. coughing), indisposition or prolonged exposure, consult a doctor.
- First-aid measures after skin contact : Wash off with soap and plenty of water immediately. Remove all contaminated clothes and shoes. Do not use solvents or thinners. Preventive skin protection by skin protection cream. In the case of skin irritation or allergic reactions see a physician.
- First-aid measures after eye contact : Rinse with plenty of water immediately, also under the eyelids, for at least 15 minutes. Remove contact lenses after the first 1 - 2 minutes and continue flushing. Keep eye wide open while rinsing. Consult an ophthalmologist immediately.
- First-aid measures after ingestion : If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting. Rinse mouth. Don't drink. Never give anything by mouth to an unconscious person. If swallowed or in the event of vomiting, risk of product entering the lungs.

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

- Symptoms/effects : Causes serious eye irritation. Large concentrations of vapour or oil mist can be irritating to the mucous membranes and respiratory tract. Prolonged skin contact can lead to defatting of the skin or to irritation. Skin contact with the product may cause acne. May produce an allergic reaction. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

Symptomatic treatment (decontamination and vital functions). If necessary, contact poison centre.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide (CO₂), foam, water spray, powder (ABC).
- Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Keep product and empty container away from heat and sources of ignition. Cleaning cloths, paper or other materials that are used for absorption can become a potential fire hazard. Preparation may charge electrostatically: always use grounding wire when transferring from one container to another. Do not use the product in the vicinity of electrical systems. Electrical systems and equipment must comply with the regulations.
- Hazardous decomposition products in case of fire : Incomplete combustion will generate : carbon monoxide (CO), carbon dioxide (CO₂), various hydrocarbons, aldehydes, carbon black. The combustion gases are generally to be classified as poisonous. Depending on the conditions of the fire, the following combustion products could be formed/ given off: sulphur oxides (SO_x), hydrogen sulphide, nitrogen oxides (NO_x), mercaptanes, oxides of phosphorus, zinc oxide.

5.3. Advice for firefighters

- Firefighting instructions : Remove intact containers immediately from the dangerous area and/or cool them with water. Water mist may be used to cool closed containers. Prevent extinguishing water used by the fire department, or any other forms of the diluted product, from ending up in surface water or drinking water reservoirs. Do not discharge into drains. Contaminated extinguishing water and soil must be disposed of in accordance with official regulations.
- Protection during firefighting : Do not breathe in the vapours and combustion gases. In the event of fire, wear self-contained breathing apparatus. Avoid contact with this material during fire fighting operations. Complete protection suit and compressed air breathing apparatus. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus. Clothing for firefighters which comply with the European norm EN 469 (including helmet, protective boots, protective gloves) provide a basic protection for accident with chemicals.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Provide adequate ventilation. Remove all sources of ignition. Do not smoke. Mop up due to the risk of slipping. Use personal protective equipment. Avoid contact with skin and eyes. Wear suitable gloves and eye/face protection.



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6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Contact the responsible authority immediately if the product ends up in the soil, a body of water, or the sewer system. In case of an accident or when the street is contaminated with the product, notify the fire department and police department, and when necessary, the water protection authorities.

6.3. Methods and material for containment and cleaning up

- For containment : Prevent further leakage or spillage if safe to do so. Soak up with oil absorbent material. Entry into rivers or surface water is to be prevented by the erection of barriers made of sand or earth or by other suitable barriers.
- Methods for cleaning up : On land: Contain the product immediately by taking suitable action. Spilled or leaking material is to be soaked up with non-flammable absorbent materials (sand, soil, diatomaceous earth) and put in containers. On water: Mop up with floating binding agents. Dispose of the material collected according to regulations. Keep in suitable, closed containers for disposal. Clean contaminated surface thoroughly. Clean with detergents. Avoid solvents. In case of contamination of soil or water bodies notify the competent authorities.
- Other information : Dispose of rinse water in accordance with local and national regulations.

6.4. Reference to other sections

Suitable protective equipment : See section 8. Dispose of as described in section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Handling this product may result in electrostatic accumulation. Use proper grounding procedures. Keep away from sparks and flames. Articles impregnated with the product are to be disposed of immediately (cloth, paper, absorbent material). Collect and safely dispose in closed, non-flammable containers after use. Do not use unlabelled containers. Slipping hazard due to leakage.
- Precautions for safe handling : Provide sufficient air exchange and/or exhaust in work rooms. Local exhaust. Avoid formation of aerosol. Do not breathe in vapours or spray mist. Keep away from open flames, hot surfaces, and sources of ignition. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Keep container tightly closed. Keep away from combustible material. Avoid spillage and leakage due to the risk of slipping. Avoid contact with skin, eyes and clothing. Keep away from food, drink and animal food stuffs. Do not smoke.
- Hygiene measures : When handling the product, follow hygiene and safety precautions. Take off all contaminated clothing immediately. When using, do not eat, drink, or smoke. Do not bring used product in contact with the eyes or skin. Avoid prolonged and intensive skin contact. After contact with skin, wash immediately and thoroughly with water and soap. Do not use solvents or thinners. Keep the work place clean. Regular cleaning of equipment, work area and clothing. Contaminated work clothing should not be allowed out of the workplace. Eye wash fountains and safety showers must be easily accessible.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Facilities must be planned in such a way that contamination of the soil and groundwater is excluded. Protect waste water treatment plants.
- Storage conditions : Keep container tightly closed in a dry and well-ventilated place. Store at room temperature. Store in original container. Store preferably in the original packaging; otherwise copy all information from the original label onto the new packaging. Keep away from heat and sources of ignition. Protect from humid air and water. Protect from freezing. Only use hydrocarbon-resistant containers. Local regulations concerning handling and storage of water polluting products have to be followed. Smoking in the storage rooms is forbidden.
- Information on mixed storage : Avoid contact with strong oxidising agents. Keep away from food, drink, and animal food stuffs.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

- For oil mist : manufacture recommandation: 5 mg/m³ (8 h); 10 mg/m³ (0.25 h)



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8.2. Exposure controls

Appropriate engineering controls:

Provide adequate ventilation and/or exhaust ventilation. Follow the maximum workplace concentration values. Respiratory protection measures are required when large amounts of the product are used, when the product is used in enclosed spaces or under any other circumstances, in which the explosion limit concentration is approached or even surpassed.

Personal protective equipment:

Personal protection equipment should comply with the relevant standards, be suitable for purpose, in good condition and maintained as specified. Contact manufacturer.

Hand protection:

Wear oil-resistant, protective gloves during prolonged or repeated contact. (EN 420 - EN 374). Use tested protective gloves. The manufacturer recommends the following glove materials: fluorinated rubber, nitrile rubber (NBR). Penetration time of the glove material: > 480 min. Layer thickness: > 0.38 mm. Safety gloves should be selected for the actual conditions of use and in accordance with the instructions for use provided by the manufacturer. Please note that the daily use of a chemical glove in practice may be considerably shorter than the permeation time calculated in EN 374 as a result of many different factors (for example temperature). Protective gloves should be replaced immediately if damaged or in case of signs of wear. Preventive skin protection by skin protection cream. Protection cream can help to protect the skin surface. It should be applied before use.

Eye protection:

Safety glasses at risk of splashing. Safety glasses with side-shields (EN 166). If necessary: facial protection.

Skin and body protection:

In the case of long or repeated exposure, use protective clothing: long sleeved clothing, resistant to hydrocarbons. Type 4/6. Chemical-resistant safety shoes or boots. No rings, watches or similar things should be worn. Product residues can remain and, therefore, can trigger skin reactions. If necessary: Clean thoroughly.

Respiratory protection:

Not required when area is well ventilated. When the concentration in the air is over the maximum occupational exposure limit, an approved respiratory protection apparatus must be worn. Respirator with combination filter for vapour/particulate. (EN 14387) Type A/P1. The respiratory protective equipment should be selected considering the local working conditions. See information supplied by the manufacturer.

Environmental exposure controls:

Facilities must be planned in such a way that contamination of the soil and groundwater is excluded.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: clear
Colour	: Yellow.
Odour	: characteristic
Odour threshold	: No data available
pH	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: 232 °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	: 0.873 at 15 °C - ASTM D 1298
Solubility	: Water: insoluble
Log Pow	: No data available
Viscosity, kinematic	: 96.81 mm ² /s at 40 °C ASTM D 445
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive.



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Oxidising properties : Non oxidizing.
Explosive limits : No data available

9.2. Other information

VOC content : No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable at normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions occur under normal storage conditions and in normal use.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid sparks and static charges.

10.5. Incompatible materials

Avoid contact with strong oxidising agents.

10.6. Hazardous decomposition products

Incomplete incineration and thermolysis produces toxic gases. See also section 5.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

phosphorodithioic acid, mixed O,O-bis(sec-butyl and 1,3 dimethylbutyl)ester, zinc salts (68784-31-6)

LD50 oral rat	2900 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)

LD50 oral rat	> 5000 mg/kg (OECD 401 method)
LD50 dermal rabbit	> 5000 mg/kg (OECD 402 method)
LC50 inhalation rat (mg/l)	> 5 mg/l/4h spray - (OECD 403 method)

distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

LD50 oral rat	> 5000 mg/kg (OECD 420 method)
LD50 dermal rabbit	> 5000 mg/kg (OECD 402 method)
LC50 inhalation rat (mg/l)	> 5 mg/l/4h (aerosol) (OECD 403 method)

bis(nonylphenyl)amine (36878-20-3)

LD50 oral rat	> 5000 mg/kg (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg (OECD 402 method)

phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched (121158-58-5)

LD50 oral rat	2100 - 2200 mg/kg
LD50 dermal rabbit	> 15000 mg/kg (OECD 402 method)

Skin corrosion/irritation : Not classified
pH: Not applicable
Serious eye damage/irritation : Causes serious eye irritation.
pH: Not applicable
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified



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STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Engine oil SAE 10W-40	
Viscosity, kinematic	96.81 mm ² /s at 40 °C ASTM D 445
Potential adverse human health effects and symptoms	: Inhalation of vapours in high concentration may cause irritation of respiratory tract. May irritate eyes. Prolonged skin contact can lead to defatting of the skin or to irritation. May produce an allergic reaction. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Aspiration of the liquid while swallowing incorrectly or vomiting can lead to serious pneumonia caused by chemicals.
Experience with humans	: Repeated or long term contact can lead to skin irritations. Characteristic skin damage (pustules) can develop after continued and repeated exposure (contact with contaminated clothing).
Other information	: Although unused motor oil is not considered toxic, used motor oil can be carcinogenic, and therefore, should be handled with care. Wash hands before breaks and immediately after handling the product. Wash contaminated skin areas thoroughly with soap and water.

SECTION 12: Ecological information

12.1. Toxicity

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

Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

Additional information : The following toxicological assessments are based on the toxicological knowledge of the separate components of the product.

phosphorodithioic acid, mixed O,O-bis(sec-butyl and 1,3 dimethylbutyl)ester, zinc salts (68784-31-6)	
LC50 fish 1	4.4 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 Daphnia 1	75 mg/l Daphnia magna
EC50 72h algae (1)	240 mg/l Desmodesmus subspicatus
ErC50 (algae)	410 mg/l (0 - 72 h)
lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)	
LC50 fish 1	> 100 mg/l Oncorhynchus mykiss (Rainbow trout) - (OECD 203 method)
EC50 Daphnia 1	> 1000 mg/l Daphnia magna - (OECD 202 method)
EC50 72h algae (1)	> 100 mg/l Pseudokirchneriella subcapitata - (OECD 201 method)
NOEC chronic fish	> 1000 mg/l 14d/28d - Oncorhynchus mykiss (Rainbow trout) - Quantitative structure-activity relationship (QSAR)
NOEC chronic crustacea	10 mg/l (OECD 211 method)
NOEC chronic algae	>= 100 mg/l Pseudokirchneriella subcapitata - (OECD 201 method)
distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LC50 fish 1	> 100 mg/l Oncorhynchus mykiss (Rainbow trout) - (OECD 203 method)
EC50 Daphnia 1	> 10000 mg/l Daphnia magna - (OECD 202 method)
EC50 72h algae (1)	> 100 mg/l Pseudokirchneriella subcapitata - 48 h (OECD 201 method)
NOEC (chronic)	10 mg/l Daphnia magna , 21d (QSAR Petrotox)
NOEC chronic fish	> 1000 mg/l Rainbow trout (Oncorhynchus mykiss), 14 - 28d (QSAR Petrotox)
bis(nonylphenyl)amine (36878-20-3)	
LC50 fish 1	> 100 mg/l (Brachydanio rerio - OECD 203)
EC50 Daphnia 1	> 100 mg/l (Daphnia magna - OECD 202)
EC50 other aquatic organisms 1	> 1000 mg/l (activated sludge)
EC50 72h algae (1)	> 100 mg/l Pseudokirchneriella subcapitata
phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched (121158-58-5)	
LC50 fish 1	40 mg/l Pimephales promelas - semi-static test - (OECD 203 method)
EC50 Daphnia 1	0.037 mg/l Daphnia magna - static test - (OECD 202 method)
EC50 72h algae (1)	0.15 mg/l Scenedesmus subspicatus - (OECD 201 method)
NOEC (chronic)	0.0037 mg/l (21 d) - Daphnia magna - semi-static test - (OECD 211 method)

12.2. Persistence and degradability

lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)	
Persistence and degradability	No data available.



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12.3. Bioaccumulative potential

Engine oil SAE 10W-40	
Log Pow	No data available
lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)	
Log Pow	4.1
bis(nonylphenyl)amine (36878-20-3)	
Log Pow	7.7
phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched (121158-58-5)	
Log Pow	7.14

12.4. Mobility in soil

Engine oil SAE 10W-40	
Mobility in soil	Mobility in the ground is low.
Ecology - soil	Insoluble in water. The product floats on (waste) water.

12.5. Results of PBT and vPvB assessment

Component	
bis(nonylphenyl)amine (36878-20-3)	see Community Rolling Action Plan (CoRAP)

12.6. Other adverse effects

- Other adverse effects : May form an oil film that cause the oxygen content to fall, thus harming the aquatic ecosystem. Danger to drinking water already by leakage of small amounts into the subsoil. Evaporates into the air. (small amounts).
- Additional information : Should not be released into the environment. Do not allow material to contaminate ground water system. May not end up in waste water or open waters.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Product/Packaging disposal recommendations : Disposal in accordance with the official regulations. Do not empty into drains. Do not use unlabelled containers. Packaging can be sent for recycling after being emptied and cleaned. Where possible recycling is preferred to disposal or incineration. Must be incinerated in a suitable incineration plant authorised under the Environmental Protection Act. Contact waste disposal services. Emptied containers can contain residues of product. Handle and open container with care. Keep away from heat and sources of ignition. See also section 7.
- European List of Waste (LoW) code : 13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils
15 01 02 - plastic packaging

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
not regulated	not regulated	not restricted	not regulated	not regulated
14.2. UN proper shipping name				
not regulated	not regulated	not restricted	not regulated	not regulated
14.3. Transport hazard class(es)				
not regulated	not regulated	not restricted	not regulated	not regulated
14.4. Packing group				
	-			
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available



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- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3(b)	phosphorodithioic acid, mixed O,O-bis(sec-butyl and 1,3 dimethylbutyl)ester, zinc salts ; lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based ; distillates (petroleum), hydrotreated heavy paraffinic
3(c)	phosphorodithioic acid, mixed O,O-bis(sec-butyl and 1,3 dimethylbutyl)ester, zinc salts ; bis(nonylphenyl)amine
30.	phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : No data available

15.1.2. National regulations

The national regulations have to be complied with as necessary.

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

Abbreviations and acronyms:

ATE = Acute Toxicity Estimate
DNEL = Derived No Effect Level
PNEC = Predicted No-Effect Concentration
NOEL = No Observed Effect Level
NOEC = No-Observed-Effect-Concentration
NOAEL = No Observed Adverse Effect Level
LOAEL = Lowest Observed Adverse Effect Level
SADT = Self-Accelerating decomposition temperature
SVHC = substance of very high concern
VOC = Volatile organic compounds
IUCLID = International Uniform Chemical Information Database
OECD = Organization for Economic Co-operation and Development
EPA = Environmental Protection Agency
RTECS = Registry of Toxic Effects of Chemical Substances
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
CLP = Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
EINECS = European Inventory of Existing Commercial Chemical Substances

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
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
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2



Engine oil

Product Reference code:93165215

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision date: 4/24/2020 Version: 2.00

Repr. 1B	Reproductive toxicity, Category 1B
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Sens. 1	Skin sensitisation, Category 1
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.
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.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
EUH208	Contains benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs, calcium salts(722503-68-6). May produce an allergic reaction.

Other information :

The information is based on present levels of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The product is to be used exclusively for the applications named in the technical data sheet or in the processing instructions. Existing laws and regulations are the responsibility of the recipient of our products. The data of the hazardous ingredients were taken from the last relevant safety data sheet of the subcontractor.