

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.07.2022

Version number 1.0

Revision: 29.07.2022

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

· **1.1 Product identifier**

· **Trade name:** PE - CHAIN/GEAR OIL

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

· **Application of the substance / the mixture**

Gear Oil

Only for proper handling.

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Parts Europe GmbH
 Conrad-Roentgen-Strasse 2
 54332 Wasserliesch/Trier
 Tel. +49 6501 96950
 Web: www.partseurope.eu

· **Further information obtainable from:** Product safety service

· **1.4 Emergency telephone number:**

In case of a medical emergency following exposure to a chemical, the public should call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 (UK only).

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

The product is not classified, according to the GB CLP regulation.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **Additional information:**

Contains Polysulfides, di-tert-Bu, Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched), Magnesium metaborate. May produce an allergic reaction.

Safety data sheet available on request.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

EINECS: 273-103-3	Polysulfides, di-tert-Bu Skin Sens. 1, H317; Aquatic Chronic 3, H412 Specific concentration limits: Skin Sens. 1; H317: C ≥46 % Skin Sens. 1A; H317: 46 % ≤ C < 46 %	≥1-<2.5%
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	Mineral oils (mixture) Asp. Tox. 1, H304	≥0.25-≤2.5%
EC number: 931-384-6 Reg.nr.: 01-2119493620-38	Reaction products of bis(2-methylpentan-2-yl) dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) Eye Dam. 1, H318; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Sens. 1, H317	≥0.25-<1%
CAS: 13703-82-7 EINECS: 237-235-5 Reg.nr.: 01-2120769073-53	Magnesium metaborate Skin Sens. 1, H317	≥0.1-<1%

· **Additional information:**

Note L: The classification as carcinogen does not apply because the mixture (or substance) contains less than 3% dimethyl sulfoxide extract (DMSO), measured according to IP 346.
For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**
Do not induce vomiting. Do not take in resorption stimulating agents.
Consult a physician who will decide on need and method of emptying the stomach.

· **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

· **5.2 Special hazards arising from the substance or mixture**

In case of fire carbon, sulphur and nitrogen oxides can be formed.

· **5.3 Advice for firefighters**

· **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures** Not required.

· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Used oils (motor oils, gear oils, industrial oils) contain components causing skin cancer. Therefore, avoid skin contact by wearing protecting gloves. Carefully clean soiled parts of the skin with soap.

- Information about fire - and explosion protection: Do not heat above flash point.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

Storage class: 10

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs

Polysulfides, di-tert-Bu

Oral	DNEL/general population/Systemic effects/Long-term	0.167 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Systemic effects / Long-term	3.33 mg/kg/24h (worker)
	DNEL / Workers / Local Effects / Long-term	173.75 mg/kg/24h (worker)
	DNEL/general population/Systemic effects/Long-term	1.66 mg/kg/24h (consumer)
Inhalative	DNEL/general population/Local effects/Long-term	86.88 mg/kg/24h (consumer)
	DNEL / Workers / Systemic effects / Long-term	14.5 mg/m3 (worker)
	DNEL/general population/Systemic effects/Long-term	2.6 mg/m3 (consumer)

Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)

Oral	DNEL/general population/Systemic effects/Long-term	0.25 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Systemic effects / Long-term	12.5 mg/kg/24h (worker)
	DNEL/general pop/Local effects/acute-short term	0.0235 mg/cm2 (consumer)
	DNEL/general population/Systemic effects/Long-term	6.25 mg/kg/24h (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	8.56 mg/m3 (worker)
	DNEL/general population/Systemic effects/Long-term	2.2 mg/m3 (consumer)

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Oral	DNEL/general population/Systemic effects/Long-term	0.28 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Systemic effects / Long-term	7.78 mg/kg/24h (worker)
	DNEL/general population/Systemic effects/Long-term	0.278 mg/kg/24h (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	5.49 mg/m3 (worker)
	DNEL/general population/Systemic effects/Long-term	0.82 mg/m3 (consumer)

PNECs

Polysulfides, di-tert-Bu

Oral	PNEC / Predators / Secondary poisoning	6.66 mg/kg food (secondary poisoning (predators))
	PNEC / Aquatic organisms / Freshwater	0.00024-0.063 mg/l (aquatic organisms)

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PNEC / Aquatic organisms / Marine water	0.000024-0.0063 mg/l (aquatic organisms)
PNEC/Aquatic organisms/Sewage treatment plant/STP	4.51-45 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Sediment (freshwater)	0.94-94,130 mg/kg (aquatic organisms)
PNEC / Aquatic organisms / Sediment (marine water)	0.094-9.143 mg/kg (aquatic organisms)
PNEC / Terrestrial organism / Soil	1,513-311,504 mg/kg (terrestrial organisms)

Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)

Oral	PNEC / Predators / Secondary poisoning	10 mg/kg food (secondary poisoning (predators))
	PNEC / Aquatic organisms / Freshwater	0.0012 mg/l (aquatic organisms)
	PNEC / Aquatic organisms / Marine water	0.00012 mg/l (aquatic organisms)
	PNEC / Aquatic org / intermittent releases (freshwater)	0.085 mg/l (aquatic organisms)
	PNEC/Aquatic organisms/Sewage treatment plant/STP	24.33 mg/l (aquatic organisms)
	PNEC / Aquatic organisms / Sediment (freshwater)	14.4 mg/kg (aquatic organisms)
	PNEC / Aquatic organisms / Sediment (marine water)	1.44 mg/kg (aquatic organisms)
	PNEC / Terrestrial organism / Soil	2.94 mg/kg (terrestrial organisms)

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Oral	PNEC / Predators / Secondary poisoning	1.67 mg/kg food (secondary poisoning (predators))
	PNEC / Aquatic organisms / Freshwater	0.05 mg/l (aquatic organisms)
	PNEC / Aquatic organisms / Marine water	0.05 mg/l (aquatic organisms)
	PNEC / Aquatic org / intermittent releases (freshwater)	0.5 mg/l (aquatic organisms)
	PNEC/Aquatic organisms/Sewage treatment plant/STP	100 mg/l (aquatic organisms)
	PNEC / Aquatic organisms / Sediment (freshwater)	1.38 mg/kg (aquatic organisms)
	PNEC / Aquatic organisms / Sediment (marine water)	1.38 mg/kg (aquatic organisms)
	PNEC / Terrestrial organism / Soil	0.247 mg/kg (terrestrial organisms)

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

· **Respiratory protection:**

Not necessary if room is well-ventilated.

Respiratory protection if formation of aerosol or mist: use mask with filter type A2, A2/P2 or ABEK.

· **Hand protection**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye/face protection** Goggles recommended during refilling

- **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Physical state**

Fluid

- **Colour:**

Brown

- **Odour:**

Characteristic

- **Odour threshold:**

Not determined.

- **Melting point/freezing point:**

Undetermined.

- **Boiling point or initial boiling point and boiling range**

Undetermined.

- **Flammability**

Not applicable.

- **Lower and upper explosion limit**

- **Lower:**

Not determined.

- **Upper:**

Not determined.

- **Flash point:**

>210 °C

- **Ignition temperature:**

>260 °C (DIN 51794)

- **Decomposition temperature:**

Not determined.

- **pH**

Not determined.

- **Viscosity:**

- **Kinematic viscosity**

140 mm²/s @40 °C (DIN 51562-1)

- **Consistency**

Not determined.

- **Dynamic:**

- **Solubility**

- **water:**

Not miscible or difficult to mix.

- **Partition coefficient n-octanol/water (log value)**

Not determined.

- **Heat Capacity**

- **Vapour pressure:**

Not determined.

- **Density and/or relative density**

- **Density at 20 °C:**

0.895 g/cm³ (ASTM D 4052)

- **Relative density**

Not determined.

- **Vapour density**

Not determined.

- **9.2 Other information**

- **Appearance:**

- **Form:**

Fluid

- **Important information on protection of health and environment, and on safety.**

- **Auto-ignition temperature:**

Product is not selfigniting.

- **Explosive properties:**

Product does not present an explosion hazard.

- **Solvent separation test:**

- **VOC (EC)**

0.00 %

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|--|-----------------|
| · Change in condition | |
| · Evaporation rate | Not determined. |
| · Information with regard to physical hazard classes | |
| · Explosives | Void |
| · Flammable gases | Void |
| · Aerosols | Void |
| · Oxidising gases | Void |
| · Gases under pressure | Void |
| · Flammable liquids | Void |
| · Flammable solids | Void |
| · Self-reactive substances and mixtures | Void |
| · Pyrophoric liquids | Void |
| · Pyrophoric solids | Void |
| · Self-heating substances and mixtures | Void |
| · Substances and mixtures, which emit flammable gases in contact with water | Void |
| · Oxidising liquids | Void |
| · Oxidising solids | Void |
| · Organic peroxides | Void |
| · Corrosive to metals | Void |
| · Desensitised explosives | Void |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

Polysulfides, di-tert-Bu

Oral	LD0	2,000 mg/kg (rat)
	NOAEL	50-100 mg/kg/24h (rat)
	LOAEL	200-300 mg/kg/24h (rat)
Dermal	LD0	2,000 mg/kg (rat)
Inhalative	NOAEC	196 ppm (rat)

Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)

Oral	LD50	2,000 mg/kg (rat)
	NOEL	50 mg/kg/24h (rat)
	NOAEL	150 mg/kg/24h (rat)

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Oral	LD50	2,000 mg/kg (rat)
	NOAEL	125 mg/kg/24h (rat)
Dermal	LD50	2,000 mg/kg (rat)

· **11.2 Information on other hazards**· **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

· **12.1 Toxicity**· **Aquatic toxicity:****Polysulfides, di-tert-Bu**

LC50	0.088 mg/l/96h (fish)
LC0	0.088 mg/l/96h (fish)
EC50	0.299 g/kg/28d (sediment)
EC50	0.27 mg/l/24h (aquatic invertebrates)
EC10	0.092-0.472 mg/l/72h (algae / cyanobacteria)
EC50	0.299-2.45 mg/l/72h (algae / cyanobacteria)
EC50	0.24 mg/l/48h (aquatic invertebrates)
EL50	63 mg/l/48h (aquatic invertebrates)
EL50	100 mg/l/72h (algae / cyanobacteria)
NOEC	0.094-0.388 g/kg/28d (sediment)
NOEC	0.1 mg/l/72h (algae / cyanobacteria)
NOEC	0.088 mg/l/96h (fish)
NOEC	45.1 mg/l/28d (microorganisms)
NOELR	18 mg/l/48h (aquatic invertebrates)
LOEC	0.12-0.32 mg/l/48h (algae / cyanobacteria)

Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)

EC50	2,433 mg/l/3h (microorganisms)
EC50	6.4-15 mg/l/96h (algae / cyanobacteria)
LL50	24 mg/l/96h (fish)
EL50	91.4 mg/l/48h (aquatic invertebrates)
EL50	0.66 mg/l/21d (aquatic invertebrates)
NOEC	1.7-3.3 mg/l/96h (algae / cyanobacteria)
NOELR	3.2 mg/l/96h (fish)

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EC10	50 mg/l (Alga)
EC50	1,000 mg/l/3h (microorganisms)
EC50	50 mg/l (Alga)
	50 mg/l (aquatic invertebrates)
	1,000 mg/l (microorganisms)
LC50	50 mg/l (fish)
LL50	50 mg/l/96h (fish)
EL50	50 mg/l/48h (aquatic invertebrates)

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EL50	50 mg/l/24h (aquatic invertebrates)
EL50	50 mg/l/72h (algae / cyanobacteria)
NOEC	50 mg/l/96h (fish)
NOEC	1,000 mg/l/3h (microorganisms)
NOELR	50 mg/l/72h (algae / cyanobacteria)
NOELR	50 mg/l/48h (aquatic invertebrates)

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential**

Polysulfides, di-tert-Bu

Partition coefficient	5.6 [---] (log Kow) (Bioaccumulation)
Biodegradability	13 % (28d) (Biodegradability) (OECD 301 B)
Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)	
Partition coefficient	0.3-7.1 [---] (log Kow) (Bioaccumulation)
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Bioconcentration factor (BCF)	0.893 BCF (Bioaccumulation)

· **12.4 Mobility in soil** No further relevant information available.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (according to Appendix 1 AwSV): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact waste processors for recycling information.

Return product and/or partially emptied container in original packaging to the point of sale or hand it over to a collection point for special waste.

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN number or ID number	
· ADR/RID/ADN, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name	
· ADR/RID/ADN, ADN, IMDG, IATA	Void

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· 14.3 Transport hazard class(es)	
· ADR/RID/ADN, ADN, IMDG, IATA	
· Class	Void
· 14.4 Packing group	
· ADR/RID/ADN, IMDG, IATA	Void
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The classification of the mixture was carried out by calculation in accordance with the rules laid down in Annex I of Regulation (EC) No 1272/2008.

No special training instructions to ensure protection of human health and environment are required.

- **purity requirement**
- **Relevant phrases**
 - H302 Harmful if swallowed.
 - 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.
 - H412 Harmful to aquatic life with long lasting effects.
- **Abbreviations and acronyms:**
 - ADR: Accord relatif au transport international 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 Harmonised 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 (division of the American Chemical Society)
 - VOC: Volatile Organic Compounds (USA, EU)
 - DNEL: Derived No-Effect Level (UK REACH)
 - PNEC: Predicted No-Effect Concentration (UK REACH)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - Acute Tox. 4: Acute toxicity – Category 4
 - Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 - Skin Sens. 1: Skin sensitisation – Category 1

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Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Annex: Exposure scenario 1

- **Short title of the exposure scenario**

Industrial use of lubricants and greases in vehicles or machinery

- **Sector of Use**

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

- **Product category**

PC16 Heat transfer fluids

PC17 Hydraulic fluids

PC24 Lubricants, greases, release products

- **Process category**

PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.

PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

- **Environmental release category**

ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)

ERC7 Use of functional fluid at industrial site

- **Description of the activities / processes covered in the Exposure Scenario**

See section 1 of the annex to the Safety Data Sheet.

- **Conditions of use**

- **Duration and frequency** 5 workdays/week.

- **Physical parameters**

- **Physical state** Fluid

- **Concentration of the substance in the mixture** The substance is main component.

- **Other operational conditions**

- **Other operational conditions affecting environmental exposure** No special measures required.

- **Other operational conditions affecting consumer exposure** Not required.

- **Other operational conditions affecting consumer exposure during the use of the product** Not applicable.

- **Risk management measures**

- **Worker protection**

- **Organisational protective measures** No special measures required.

- **Technical protective measures** No special measures required.

- **Personal protective measures** No special measures required.

- **Measures for consumer protection** No special measures required.

- **Environmental protection measures**

- **Air** No special measures required.

- **Water** No special measures required.

- **Disposal measures**

Disposal must be made according to official regulations.

Ensure that waste is collected and contained.

- **Disposal procedures** Dispose of product residues with household waste.

- **Waste type** Partially emptied and uncleaned packaging

- **Exposure estimation**

- **Consumer** Not relevant for this Exposure Scenario.

- **Guidance for downstream users** No further relevant information available.

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Annex: Exposure scenario 2

- **Short title of the exposure scenario**
Professional use of lubricants and greases in vehicles or machines
- **Sector of Use**
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Product category**
PC16 Heat transfer fluids
PC17 Hydraulic fluids
PC24 Lubricants, greases, release products
- **Process category**
PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
PROC20 Use of functional fluids in small devices
- **Environmental release category**
ERC9a Widespread use of functional fluid (indoor)
ERC9b Widespread use of functional fluid (outdoor)
- **Description of the activities / processes covered in the Exposure Scenario**
See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**
- **Duration and frequency** *5 workdays/week.*
- **Physical parameters**
- **Physical state** *Fluid*
- **Concentration of the substance in the mixture** *The substance is main component.*
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** *No special measures required.*
- **Other operational conditions affecting consumer exposure** *Not required.*
- **Other operational conditions affecting consumer exposure during the use of the product**
Not applicable.
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures** *No special measures required.*
- **Technical protective measures** *No special measures required.*
- **Personal protective measures** *No special measures required.*
- **Measures for consumer protection** *No special measures required.*
- **Environmental protection measures**
- **Air** *No special measures required.*
- **Water** *No special measures required.*
- **Disposal measures**
Disposal must be made according to official regulations.
Ensure that waste is collected and contained.
- **Disposal procedures** *Dispose of product residues with household waste.*
- **Waste type** *Partially emptied and uncleaned packaging*
- **Exposure estimation**
- **Consumer** *Not relevant for this Exposure Scenario.*
- **Guidance for downstream users** *No further relevant information available.*

Annex: Exposure scenario 3

- **Short title of the exposure scenario** *Private use of lubricants and greases in vehicles or machines*
- **Sector of Use** *SU21 Consumer uses: Private households / general public / consumers*

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Safety data sheet

according to 1907/2006/EC, Article 31

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- **Product category** PC24 Lubricants, greases, release products
- **Environmental release category**
 - ERC9a Widespread use of functional fluid (indoor)
 - ERC9b Widespread use of functional fluid (outdoor)
- **Description of the activities / processes covered in the Exposure Scenario**
See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**
- **Duration and frequency** 5 workdays/week.
- **Physical parameters**
- **Physical state** Fluid
- **Concentration of the substance in the mixture** The substance is main component.
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** No special measures required.
- **Other operational conditions affecting consumer exposure** Not required.
- **Other operational conditions affecting consumer exposure during the use of the product**
Not applicable.
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures** No special measures required.
- **Technical protective measures** No special measures required.
- **Personal protective measures** No special measures required.
- **Measures for consumer protection** No special measures required.
- **Environmental protection measures**
- **Air** No special measures required.
- **Water** No special measures required.
- **Disposal measures**
Disposal must be made according to official regulations.
Ensure that waste is collected and contained.
- **Disposal procedures** Dispose of product residues with household waste.
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Consumer** Not relevant for this Exposure Scenario.
- **Guidance for downstream users** No further relevant information available.

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