Revision: 20.04.2021



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 20.04.2021

Version number 2.0

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

- · 1.1 Product identifier
- · Trade name: RACING PRO 4T SAE 0W/40
- · 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

Only for proper handling.

Engine oil

- · 1.3 Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

MOTOREX AG Bern–Zürich–Strasse 31, Postfach CH–4901 Langenthal Tel. +41 (0)62 919 75 75 www.motorex.com

- · Further information obtainable from: msds@motorex.com
- · 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

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

- · Hazard pictograms Void
- · Signal word Void
- · Hazard statements

H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Additional information:

Contains maleic anhydride, Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. Para-, calcium salts. May produce an allergic reaction.

- 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Chemical characterisation: Mixtures
- · Description: Mixture of substances listed below with nonhazardous additions.

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Trade name: RACING PRO 4T SAE 0W/40

		(Contd. of page 1
· Dangerous components:		
CAS: 84605-29-8 EINECS: 283-392-8 Reg.nr.: 01-2119493626-26	Phosphorodithioic acid, mixed O,O-bis (1,3-diethylbutyl and iso-Pr)esters, zinc salts	
	Eye Dam. 1, H318; Aquatic Chronic 2, H411; Skin Irrit. 2, H315	
EC number: 947-519-7	Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. Para-, calcium salts Skin Sens. 1B, H317	
CAS: 121158-58-5 EC number: 310-154-3 Index number: 604-092-00-9 Reg.nr.: 01-2119513207-49	phenol, dodecyl-, branched Repr. 1A, H360F; Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10)	≥0.0025-<0.025%

[·] Additional information: 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:

Remove residues with soap and water.

Remove contaminated clothing immediately.

· After eye contact:

Rinse opened eye for several minutes under running water.

Consult a physician if irritation develops.

After swallowing:

Do not induce vomitting. 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 phosphorus 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 product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

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Trade name: RACING PRO 4T SAE 0W/40

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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).

Dispose contaminated material as waste according to item 13.

· 6.4 Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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:

Store containers closed and protect against rain, dust, heat and other atmospheric influences.

- · Storage class: 10
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- Additional information about design of technical facilities:

No further data; see section 7.

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.

84605-29-	8 Phosphorodithioic acid, mixed C esters, zinc salts	0,0-bis (1,3-diethylbutyl and iso-Pr
Oral	DNEL/general population/Systemic effects/Long-term	0.24 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Systemic effects / Long-term	12.1 mg/kg/24h (worker)
	DNEL/general population/Systemic effects/Long-term	6.1 mg/kg/24h (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	8.31 mg/m3 (worker)
	DNEL/general population/Systemic effects/Long-term	2.11 mg/m3 (consumer)

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1211	50 50	8-5 phenol, dodecyl-, branched	(Contd. of pa	
	20-20	•	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Oral		DNEL/general population/System effects/Long-term	110 0.075 mg/kg/24n (consumer)	
		DNEL/general pop/Systemic effect	ts/ 1 26 ma/ka/24h (consumer)	
		acute-short term	is mg/lg/2 m (concumer)	
Dermal		DNEL / Workers / Systemic effects	s / 0.25 mg/kg/24h (worker)	
		Long-term		
		DNEL/Workers/Systemic effect acute-short term	s/ 166 mg/kg/24h (worker)	
		DNEL/general population/System effects/Long-term	nic 0.075 mg/kg/24h (consumer)	
		DNEL/general pop/Systemic effect acute-short term	ts/ 50 mg/kg/24h (consumer)	
Inhal	lative	DNEL/Workers/Systemic effect acute-short term	44.18 mg/m3 (worker)	
		DNEL/general population/System effects/Long-term	oic 0.79 mg/m3 (consumer)	
		DNEL/general pop/Systemic effect acute-short term	ts/ 13.26 mg/m3 (consumer)	
PNE	Cs			
		8 Phosphorodithinic acid mixed	I O,O-bis (1,3-diethylbutyl and iso-	
0400	J-23-	esters, zinc salts	1 0,0-bis (1,5-dietilyibatyi alid 150-	
Oral	PNE	C / Predators / Secondary poisoning	10.67 mg/kg food (secondary poison	
			(predators))	
	PNE	C / Aquatic organisms / Freshwater	0.004 mg/l (aquatic organisms)	
		C / Aquatic organisms / Marine	0.0046 mg/l (aquatic organisms)	
	wate		0.045 mg/l/(aguatia aggariama)	
	PNEC/Aquatic org/intermittent releases(freshwater)		0.045 mg/r (aqualic organisms) 	
		C/Aquatic organisms/Sewage	 100 mg/l (aquatic organisms)	
	treatment plant/STP			
	PNEC / Aquatic organisms / Sediment		0.02203 mg/kg (aquatic organisms)	
	(freshwater)			
	PNEC / Aquatic organisms / Sediment (marine water)			
		C / Aquatic organisms / Sediment	0.002203 mg/kg (aquatic organisms)	
	(mari	C / Aquatic organisms / Sediment ine water) C / Terrestrial organism / Soil	0.002203 mg/kg (aquatic organisms) 0.00206 mg/kg (terrestrial organisms)	
	(mari PNE: 58-58	C / Aquatic organisms / Sediment ine water) C / Terrestrial organism / Soil I-5 phenol, dodecyl-, branched		
	(mari PNE: 58-58	C / Aquatic organisms / Sediment ine water) C / Terrestrial organism / Soil	0.00206 mg/kg (terrestrial organisms)	
	(mari PNE) 58-58 PNE)	C / Aquatic organisms / Sediment ine water) C / Terrestrial organism / Soil C-5 phenol, dodecyl-, branched C / Predators / Secondary poisoning C / Aquatic organisms / Freshwater	0.00206 mg/kg (terrestrial organisms) 4 mg/kg food (secondary poison (predators)) 0.000074 mg/l (aquatic organisms)	
	(mari PNE) 58-58 PNE)	C / Aquatic organisms / Sediment ine water) C / Terrestrial organism / Soil R-5 phenol, dodecyl-, branched C / Predators / Secondary poisoning C / Aquatic organisms / Freshwater C / Aquatic organisms / Marine	0.00206 mg/kg (terrestrial organisms) 4 mg/kg food (secondary poison (predators)) 0.000074 mg/l (aquatic organisms)	
	(mari PNE) 58-58 PNE) PNE PNE wate	C / Aquatic organisms / Sediment ine water) C / Terrestrial organism / Soil R-5 phenol, dodecyl-, branched C / Predators / Secondary poisoning C / Aquatic organisms / Freshwater C / Aquatic organisms / Marine	0.00206 mg/kg (terrestrial organisms) 4 mg/kg food (secondary poison (predators)) 0.000074 mg/l (aquatic organisms) 0.0000074 mg/l (aquatic organisms)	
	PNE PNE PNE PNE PNE PNE relea PNE	C / Aquatic organisms / Sediment ine water) C / Terrestrial organism / Soil B-5 phenol, dodecyl-, branched C / Predators / Secondary poisoning C / Aquatic organisms / Freshwater C / Aquatic organisms / Marine r EC/Aquatic org/intermittent	0.00206 mg/kg (terrestrial organisms) 4 mg/kg food (secondary poison (predators)) 0.000074 mg/l (aquatic organisms) 0.000074 mg/l (aquatic organisms) 0.00037 mg/l (aquatic organisms)	

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PNEC / Aquatic organisms / Sediment 0.0266 mg/kg (aquatic organisms)

(marine water)

PNEC / Terrestrial organism / Soil 0.118 mg/kg (terrestrial organisms)

- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- 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.

· Protection of hands:

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

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 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 • Appearance: Form: Fluid Colour: Amber coloured				
Form: Fluid Colour: Amber coloured				
Colour: Amber coloured				
7				
Ohamanta viatia				
· Odour: Characteristic				
· Odour threshold: Not determined.				
· pH-value: Not determined.				
· Change in condition				
Melting point/freezing point: Undetermined.				
Initial boiling point and boiling range: Undetermined.				
· Flash point: >200 °C				
· Flammability (solid, gas): Not applicable.				
· Decomposition temperature: Not determined.				
· Auto-ignition temperature: Product is not selfigniting.				
• Explosive properties: Product does not present an explosion h	nazard.			

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	(Contd. of page	
Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
Vapour pressure at 20 °C:	1.3 hPa	
	<0.1 hPa (20°C)	
Density at 20 °C:	0.865 g/cm³ (ASTM D 4052)	
Relative density	Not determined.	
Vapour density	Not determined.	
Evaporation rate	Not determined.	
Solubility in / Miscibility with		
water:	Not miscible or difficult to mix.	
Partition coefficient: n-octanol/water:	Not determined.	
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	82 mm²/s @ 40 °C (DIN 51562-1)	
	14.2 mm²/s @ 100 °C	
Solvent separation test:		
VOC (EC)	0.00 %	
9.2 Other information	No further relevant information available.	

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 toxicological effects
- · Acute toxicity Based on available data, the classification criteria are not met.

84605-29	•	orodithioic acid, mixed O,O-bis (1,3-diethylbutyl and iso-Pr) inc salts
Oral	NOEL	40 mg/kg/24h (rat)
	NOAEL	160 mg/kg/24h (rat)
Dermal	LD50	2,002 mg/kg (rat)
Inhalative	LC50 / 4h	2.3 mg/l (rat)
121158-5	8-5 phenol,	dodecyl-, branched
Oral	LD50	2,100-2,200 mg/kg (rat)
	NOEL	5-50 mg/kg/24h (rat)
	NOAEL	60-100 mg/kg/24h (rat)
	•	(Contd. on page 7

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Trade name: RACING PRO 4T SAE 0W/40

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| Dermal | LD50 | 15,000 mg/kg (rabbit) |

- Primary irritant effect:
- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation

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

· Respiratory or skin sensitisation

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

- · Additional toxicological information:
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity 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

84605-2	9-8 Phosphorodithioic acid, mixed O,O-bis (1,3-diethylbutyl and iso-Pr) esters, zinc salts
LOEC	0.8 mg/l/21d (aquatic invertebrates)
LC50	46 mg/l/96h (fish)
EC50	10,000 mg/l/3h (microorganisms)
LL50	4.5 mg/l/96h (fish)
EL50	23 mg/l/48h (aquatic invertebrates)
EL50	21-24 mg/l/72h (algae / cyanobacteria)
NOEC	0.4-0.8 mg/l/21d (aquatic invertebrates)
NOELR	1.8 mg/l/96h (fish)
NOELR	10 mg/l/48h (aquatic invertebrates)
	n products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. alcium salts
LC50	>1,000 mg/l/96h (Pimephales promelas)
	>100 mg/l/96h (rainbow trout)
EC50	>1,000 mg/l/96h (Alga)
121158-	58-5 phenol, dodecyl-, branched
EC50	1,000 mg/l/3h (microorganisms)
EC50	0.106 mg/l/24h (aquatic invertebrates)
EC10	0.53-0.765 mg/l/72h (algae / cyanobacteria)
_0,0	1
EC50	0.15-0.765 mg/l/72h (algae / cyanobacteria)
	0.15-0.765 mg/l/72h (algae / cyanobacteria) 0.0079-0.0086 mg/l/21d (aquatic invertebrates)
EC50	
EC50 EC50	0.0079-0.0086 mg/l/21d (aquatic invertebrates)
EC50 EC50 EC100	0.0079-0.0086 mg/l/21d (aquatic invertebrates) 160 mg/l/48h (aquatic invertebrates)
EC50 EC50 EC100 EC0	0.0079-0.0086 mg/l/21d (aquatic invertebrates) 160 mg/l/48h (aquatic invertebrates) 0.056 mg/l/48h (aquatic invertebrates)

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NOEC	0.07-0.442 mg/l/72h (algae / cyanobacteria)	
NOEC	0.011 mg/l/48h (aquatic invertebrates)	
NOEC	1,000 mg/l/3h (microorganisms)	
NOELR	25 mg/l/96h (fish)	

12.2 Persistence and degradability No further relevant information available.

· 12.3 Bioaccumulative potential 84605-29-8 Phosphorodithioic acid, mixed O,O-bis (1,3-diethylbutyl and iso-Pr) esters, zinc salts Partition coefficient 0.56 [---] (log Kow) (Bioaccumulation)

121158-58-5 phenol, dodecyl-, branched

Partition coefficient 6.1-7.14 [---] (log Kow) (Bioaccumulation) Biodegradability <10 % (28d) (Biodegradability) (OECD 302 D)

- 12.4 Mobility in soil No further relevant information available.
- Ecotoxical effects:
- · Remark: Harmful to fish
- · 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.

Harmful to aquatic organisms

- 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

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.

- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

14.1 UN-Number ADR/RID/ADN, ADN, IMDG, IATA	Void	
· · · · · ·	VOIG	
14.2 UN proper shipping name ADR/RID/ADN, ADN, IMDG, IATA	Void	
14.3 Transport hazard class(es)		
ADR/RID/ADN, ADN, IMDG, IATA		
Class	Void	
14.4 Packing group		
ADR/RID/ADN, IMDG, IATA	Void	

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· 14.5 Environmental hazards: · Marine pollutant:	No	
· 14.6 Special precautions for user	Not applicable.	
· 14.7 Transport in bulk according to A	nnex	
II of Marpol and the IBC Code	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.
- · National chemical directories Components listed or exempted from listing:
- · 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
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- 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.
- H411 Toxic to aquatic life with long lasting effects.
- · Department issuing SDS: Abteilung Produktsicherheit
- · 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 (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

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Skin Corr. 1C: Skin corrosion/irritation - Category 1C Skin Irrit. 2: Skin corrosion/irritation - Category 2

Eye Dam. 1: Serious eye damage/eye irritation - Category 1

Skin Sens. 1B: Skin sensitisation - Category 1B

Repr. 1A: Reproductive toxicity - Category 1A

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic 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

* Data compared to the previous version altered.

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.

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- · Disposal measures 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 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** Ensure that waste is collected and contained.

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- · 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
- · 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 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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