Safety Data Sheet
according to WHS Regulations

Printing date 02.02.2024 Version number 1.2 Revision: 13.03.2023

*
1 Identification

· **Product identifier**

· **Trade name: TRIAL GEAR OIL 75W**

· **Relevant identified uses of the substance or mixture and uses advised against**
· **Product category** PC17 Hydraulic fluids

· **Application of the substance / the mixture**
Gear Oil
Only for proper handling.

· **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

A1 Accessory Imports
60-62 Burchill St.
Loganholme
4129 QLD
Australia
Phone : 07 3451 1300

· **Further information obtainable from:** msds@motorex.com
· **Emergency telephone number:**
In case of a medical emergency following exposure to a chemical, call Poisons Information Centre Australia 13 11 26

2 Hazard(s) Identification

· **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonised System (GHS).

· **Label elements**
· **GHS label elements** Void
· **Hazard pictograms** Void
· **Signal word** Void
· **Hazard statements** Void
· **Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

*
3 Composition and Information on Ingredients

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

· **Dangerous components:**		
CAS: 64742-54-7 EINECS: 265-157-1 Index number: 649-467-00-8	Distillates (petroleum), hydrotreated heavy paraffinic Asp. Tox. 1, H304	≥70-≤90%
	Mineral oils (mixture) Asp. Tox. 1, H304	≥1-≤2.5%

(Contd. on page 2)

Safety Data Sheet
according to WHS Regulations

Trade name: TRIAL GEAR OIL 75W

(Contd. of page 1)

CAS: 68937-96-2 EINECS: 273-103-3	polysulfides, di-tert-Bu Skin Sens. 1B, H317	≥1-<2.5%
EC number: 931-384-6	Reaction products of bis(2-methylpentan-2-yl) dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1B, H317	≥1-<2.5%

· **Regulation (EC) No 648/2004 on detergents / Labelling for contents**	
aliphatic hydrocarbons	<5%

· **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.

4 First Aid Measures

· **General information:** No special measures required.
· **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:** If symptoms persist consult doctor.
· **Information for doctor:**
· **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
· **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire Fighting Measures

· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
· **Special hazards arising from the substance or mixture** No further relevant information available.
· **Protective equipment:** No special measures required.

6 Accidental Release Measures

· **Personal precautions, protective equipment and emergency procedures** Not required.
· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
· **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
· **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.

7 Handling and Storage

· **Handling:**
· **Precautions for safe handling** No special measures required.
· **Information about fire - and explosion protection:** No special measures required.
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** No special requirements.
· **Information about storage in one common storage facility:** Not required.

(Contd. on page 3)

Safety Data Sheet
according to WHS Regulations

Printing date 02.02.2024 Version number 1.2 Revision: 13.03.2023

Trade name: TRIAL GEAR OIL 75W

(Contd. of page 2)

· ***Further information about storage conditions:***
The recommended storage temperature is (deg.C): ≤ 50°C
· ***Storage class:*** *10*
· ***Specific end use(s)*** *No further relevant information available.*

*

8 Exposure controls and personal protection

· ***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.

· ***DNELs***

68937-96-2 polysulfides, di-tert-Bu

Oral	DNEL/general population/Systemic effects/Long-term	0.167 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Local Effects / Long-term	173.75 mg/cm2 (worker)
	DNEL / Workers / Systemic effects / Long-term	3.33 mg/kg/24h (worker)
	DNEL/general population/Systemic effects/Long-term	1.66 mg/kg/24h (consumer)
	DNEL/general population/Local effects/Long-term	86.88 mg/cm2 (consumer)
Inhalative	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 popul/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)

· ***PNECs***

68937-96-2 polysulfides, di-tert-Bu

Oral	PNEC / Predators / Secondary poisoning	6.66 mg/kg food (aquatic organisms)
	PNEC / Aquatic organisms / Freshwater	0.00024-0.063 mg/l (aquatic organisms)
	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)	0.094-9.413 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)

(Contd. on page 4)

Safety Data Sheet
according to WHS Regulations

Printing date 02.02.2024 Version number 1.2 Revision: 13.03.2023

Trade name: TRIAL GEAR OIL 75W

(Contd. of page 3)

	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)

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

*

9 Physical and Chemical Properties

· **General Information**	
· **Appearance:**	
· **Form:**	Fluid
· **Colour:**	Light yellow
· **Odour:**	Pungent
· **Odour threshold:**	Not determined.
· **pH-value:**	Not determined.
· **Change in condition**	
· **Melting point/freezing point:**	Undetermined.
· **Initial boiling point and boiling range:**	Undetermined.
· **Pouring point**	-45 °C
· **Flash point:**	>220 °C
· **Flammability (solid, gas):**	Not applicable.
· **Decomposition temperature:**	Not determined.
· **Explosive properties:**	Product does not present an explosion hazard.
· **Explosion limits:**	
· **Lower:**	Not determined.
· **Upper:**	Not determined.
· **Vapour pressure:**	Not determined.
· **Density at 20 °C:**	0.85 g/cm³ (ASTM D 4052)
· **Relative density**	Not determined.

(Contd. on page 5)

Safety Data Sheet
according to WHS Regulations

Printing date 02.02.2024 Version number 1.2 Revision: 13.03.2023

Trade name: TRIAL GEAR OIL 75W

(Contd. of page 4)

· **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:**	23.2 mm²/s @ 40 °C
· **Other information**	No further relevant information available.

10 Stability and Reactivity

· **Reactivity** No further relevant information available.
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **Possibility of hazardous reactions** No dangerous reactions known.
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** No dangerous decomposition products known.

*

11 Toxicological Information

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

· **LD/LC50 values relevant for classification:**		
64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic		
Oral	LD50	5,000 mg/kg (rat)
	LOAEL	125 mg/kg/24h (rat)
Dermal	LD50	2,000-5,000 mg/kg (rabbit)
	NOAEL	150 mg/kg/24h (mouse)
		30-2,000 mg/kg/24h (rat)
		1,000 mg/kg/24h (rabbit)
	LOAEL	100 mg/kg/24h (mouse)
Inhalative	LC50 / 4h	2.18-5.53 mg/l (rat)
	NOEL	220 mg/m3 (rat)
	NOAEL	980 mg/m3 (rat)
68937-96-2 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)

· **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.

(Contd. on page 6)

Safety Data Sheet
according to WHS Regulations

Printing date 02.02.2024 Version number 1.2 Revision: 13.03.2023

Trade name: TRIAL GEAR OIL 75W

(Contd. of page 5)

· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
· **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.

*
12 Ecological Information

· **Toxicity**

· **Aquatic toxicity:**	
64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic	
LL50	10,000 mg/l/96h (aquatic invertebrates)
	100 mg/l/96h (fish)
LL50	10,000 mg/l/72h (aquatic invertebrates)
LL50	10,000 mg/l/48h (aquatic invertebrates)
LL50	10,000 mg/l/24h (aquatic invertebrates)
EL50	10,000 mg/l/48h (aquatic invertebrates)
68937-96-2 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)
LOELR	32 mg/l/96h (aquatic invertebrates)
LOEC	0.12-0.32 mg/l/48h (algae / cyanobacteria)
LOEC	0.178 mg/l/21d (sediment)
LOEC	0.088 mg/l/72h (fish)
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)

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

(Contd. on page 7)

Safety Data Sheet
according to WHS Regulations

Printing date 02.02.2024 Version number 1.2 Revision: 13.03.2023

Trade name: TRIAL GEAR OIL 75W

(Contd. of page 6)

· **Behaviour in environmental systems:**

· **Bioaccumulative potential**	
64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic	
Partition coefficient	>6 [---] (log Kow) (Bioaccumulation)
68937-96-2 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)

· **Mobility in soil** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects** No further relevant information available.

*
13 Disposal considerations

· **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.

14 Transport information

· **UN-Number**	
· **ADG, IMDG, IATA**	Not classified as hazardous for transport
· **UN proper shipping name**	
· **ADG, IMDG, IATA**	Not classified as hazardous for transport
· **Transport hazard class(es)**	
· **ADG, ADN, IMDG, IATA**	
· **Class**	Not classified as hazardous for transport
· **Packing group**	
· **ADG, IMDG, IATA**	Not classified as hazardous for transport
· **Environmental hazards:**	Not applicable.
· **Special precautions for user**	Not applicable.
· **Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable.

(Contd. on page 8)

Safety Data Sheet
according to WHS Regulations

Printing date 02.02.2024 Version number 1.2 Revision: 13.03.2023

Trade name: TRIAL GEAR OIL 75W

(Contd. of page 7)

· **UN "Model Regulation":**	Not classified as hazardous for transport

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Australian Inventory of Industrial Chemicals**	
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic
68937-96-2	polysulfides, di-tert-Bu
13703-82-7	Magnesium metaborate
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic
108-94-1	cyclohexanone
108-10-1	4-methylpentan-2-one
140-88-5	ethyl acrylate

· **Standard for the Uniform Scheduling of Medicines and Poisons**		
108-10-1	4-methylpentan-2-one	S5

· **Australia: Priority Existing Chemicals**
None of the ingredients is listed.

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

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.
H319 Causes serious eye irritation.

· **Department issuing SDS:** Abteilung Produktsicherheit
· **Contact:**
· **Abbreviations and acronyms:**
Acute Tox. 4: Acute toxicity – Category 4
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1B: Skin sensitisation – Category 1B
Asp. Tox. 1: Aspiration hazard – Category 1
· ***** Data compared to the previous version altered.**