

Safety Data Sheet

according to WHS Regulations



Printing date 30.01.2024

Version number 4.0

Revision: 28.08.2023

1 Identification

- **Product identifier**
- **Trade name:** GEAR OIL UNIVERSAL 80W/140
- **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.
Gear Oil
- **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: 64742-55-8	Distillates (petroleum), hydrotreated light paraffinic	≥0-≤7.5%
EINECS: 265-158-7	Asp. Tox. 1, H304	
Index number: 649-468-00-3		

- **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.

(Contd. on page 2)

Safety Data Sheet

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Revision: 28.08.2023

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(Contd. of page 1)

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.
- **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.

(Contd. on page 3)

Safety Data Sheet

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Version number 4.0

Revision: 28.08.2023

Trade name: GEAR OIL UNIVERSAL 80W/140

(Contd. of page 2)

· **DNELs****64742-55-8 Distillates (petroleum), hydrotreated light paraffinic**

Dermal	DNEL / Workers / Local Effects / Long-term	1 mg/kg/8h (worker)
Inhalative	DNEL	2.7-5.4 mg/m ³ /8h (worker)
	DNEL	1.2 mg/m ³ /24h (consumer)

· **PNECs****64742-55-8 Distillates (petroleum), hydrotreated light paraffinic**

Oral	PNEC / Predators / Secondary poisoning	9.33 mg/kg food (secondary poisoning (predators))
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· **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:**

Yellow-brown

· **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.

· **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:**0.892 g/cm³ (ASTM D 4052)

(Contd. on page 4)

Safety Data Sheet

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Revision: 28.08.2023

Trade name: GEAR OIL UNIVERSAL 80W/140

(Contd. of page 3)

· 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:	244.4 mm ² /s @ 40 °C
· Solvent separation test:	
· VOC (EC)	0.00 %
· 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:

64742-55-8 Distillates (petroleum), hydrotreated light 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)
Inhalative		1,000 mg/kg/24h (rabbit)
	LOAEL	100 mg/kg/24h (mouse)
	LC50 / 4h	2.18-5.53 mg/l (rat)
	NOEL	220 mg/m ³ (rat)
	NOAEL	980 mg/m ³ (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.
- **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.

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(Contd. on page 5)

Trade name: GEAR OIL UNIVERSAL 80W/140

(Contd. of page 4)

12 Ecological Information

· Toxicity

· Aquatic toxicity:

64742-55-8 Distillates (petroleum), hydrotreated light paraffinic

LL50	10,000 mg/l/96h (aquatic invertebrates)
	100 mg/l/96h (fish)
	>100 mg/l/96h (<i>Pimephales promelas</i>) (OECD 203)

LL50	10,000 mg/l/72h (aquatic invertebrates)
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LL50	10,000 mg/l/48h (aquatic invertebrates)
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EL50	10,000 mg/l/48h (aquatic invertebrates)
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NOEL	>100 mg/l/72h (<i>Pseudokirchnerella subcapitata</i>) (OECD 201)
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· **Persistence and degradability** No further relevant information available.

· **Behaviour in environmental systems:**

· Bioaccumulative potential

64742-55-8 Distillates (petroleum), hydrotreated light paraffinic

Partition coefficient	>3.5 [---] (log Kow) (Bioaccumulation)
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· **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, ADN, IMDG, IATA**

Not classified as hazardous for transport

· UN proper shipping name

· **ADG, ADN, IMDG, IATA**

Not classified as hazardous for transport

· Transport hazard class(es)

· **ADG, ADN, IMDG, IATA**

· **Class**

Not classified as hazardous for transport

(Contd. on page 6)

Safety Data Sheet

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Revision: 28.08.2023

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(Contd. of page 5)

· Packing group · ADG, IMDG, IATA	Not classified as hazardous for transport
· Environmental hazards: · Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· 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**

64742-57-0	Residual oils (petroleum), hydrotreated
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic
64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic
89347-09-1	Alkyl dithio thiadiazole
80-62-6	methyl methacrylate
64741-88-4	Distillates (petroleum), solvent-refined heavy paraffinic
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic
112-90-3	(Z)-octadec-9-enylamine
68955-53-3	Long-Chain alkyl amine
29385-43-1	methyl-1H-benzotriazole

- **Standard for the Uniform Scheduling of Medicines and Poisons**

80-62-6	methyl methacrylate	S6, S10
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- **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**
H304 May be fatal if swallowed and enters airways.
- **Department issuing SDS:** Abteilung Produktsicherheit

(Contd. on page 7)

Safety Data Sheet
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Trade name: GEAR OIL UNIVERSAL 80W/140

(Contd. of page 6)

- **Contact:**
- **Abbreviations and acronyms:**
Asp. Tox. 1: Aspiration hazard – Category 1
- * **Data compared to the previous version altered.**

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