

SAFETY DATA SHEET

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC



Trade name: **A.Z. Meisterteile Getriebeöl GL-4 75W-80**

Version: 3 Latest revision: 10. 06. 2022 Date of issue: 02. 11. 2017 Page: 1/(14)

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

1.1 Product identifier:

A.Z. Meisterteile Getriebeöl GL-4 75W-80

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

Relevant identified uses: synthetic automotive gear oil

Uses advised against: application other than the above

1.3 Details of the supplier of the safety data sheet:

Trader identification:

UNIX Autó és Alkatrészkereskedelmi Kft.

H-1139 Budapest, Frangepán u. 55-57.

Tel.: +36 1 270 8700

Fax: +36 1 270 8799

E-mail: cs@unixauto.com

Technical information:

UNIX Autó és Alkatrészkereskedelmi Kft.

H-1139 Budapest, Frangepán u. 55-57.

Tel.: +36 1 270 8700

Fax: +36 1 270 8799

E-mail: cs@unixauto.com

Responsible for SDS:

UNIX Autó és Alkatrészkereskedelmi Kft.

H-1139 Budapest, Frangepán u. 55-57.

Tel.: +36 1 270 8700

Fax: +36 1 270 8799

E-mail: cs@unixauto.com

1.4 Emergency telephone number

Emergency telephone (on workdays: 07-15²⁰ h (CET)): +36 1 270 8700

Health Toxicological Information Service (ETTSZ 1097 Budapest, Albert Flórián st. 2-6.)

Tel.: +36 80 201 199 (0-24 h, free number, can only be called from Hungary).

+36 1 476 6464 (0-24 h, can be called for a normal fee - also from abroad)

National Health Toxicological Information Service:

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

Hazard Class and Category: Hazard statement:

Not classified.

-

SAFETY DATA SHEET

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC



Trade name: **A.Z. Meistererteile Getriebeöl GL-4 75W-80**

Version: 3 Latest revision: 10. 06. 2022 Date of issue: 02. 11. 2017 Page: 2/(14)

2.2 Label elements

Product identification: Trade name: **A.Z. Meistererteile Getriebeöl GL-4 75W-80**

Hazardous component(s): -

GHS Pictogram: Not required.

Signal word: Not required.

Hazard statement:
Not required.

Supplemental hazard information:

EUH208 Contains Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) and 2-ethylhexyl methacrylate. May produce an allergic reaction.

Precautionary statements – General: -

Precautionary statements – Prevention:

P273 Avoid release to the environment.

Precautionary statements - Response

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

Precautionary statements – Storage: -

Precautionary statements – Disposal:

P501 Dispose of contents/container in accordance with national regulation.

Other liabilities for labelling:

Tactile warning of danger: Not required.

Transport classification: see section 14.

2.3 Other hazards

The product does not contain any PBT or vPvB substance according to annex XIII of regulation (EC) 1907/2006, at a concentration of 0.1% or more.

The mixture does not contain any substance with endocrine disrupting properties, at a concentration of 0.1% or more.

SECTION 3 Composition/information on ingredients

3.2 Mixtures

Chemical description: Mixture of refined mineral and synthetic oils containing additives.

SAFETY DATA SHEET

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC



Trade name: **A.Z. Meistererteile Getriebeöl GL-4 75W-80**

Version: 3 Latest revision: 10. 06. 2022 Date of issue: 02. 11. 2017 Page: 3/(14)

Component(s) / Hazardous component(s):

Name	EC number	CAS number	Hazard classes and cat.	Hazard statements	Conc. % (m/m)
Distillates (petroleum), hydrotreated heavy paraffinic* REACH Registr. Nr.: 01-2119484627-25	265-157-1	64742-54-7	- (Note L)	-	max. 80
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based* REACH Registr. Nr.: 01-2119474889-13	276-738-4	72623-87-1	- (Note L)	-	max. 80
Mineral oil raffinate* REACH Registr. Nr.: no data	-	confidential	- (Note L)	-	max. 5.0
Bis(nonylphenyl)amine REACH Registr. Nr.: no data	253-249-4	36878-20-3	Aquatic Chronic 4	H413	max. 1.7
Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched)** REACH Registr. Nr.: 01-2119493620-38	931-384-6	-	Acute Tox. 4 Skin Sens. 1 Eye Dam. 1 Aquatic Chronic 2	H302 H317 H318 H411	max. 1.3
2-ethylhexyl methacrylate REACH Registr. Nr.: 01-2119490166-35	211-708-6	688-84-6	Skin Irrit. 2 Skin Sens. 1 Eye Irrit. 2 STOT SE 3 Aquatic Chronic 3	H315 H317 H319 H335 H412	max. 0.15

*: with exposure limit

** Specific concentration limit:

Eye Dam. 1; $50 \% < C \leq 100 \%$; Skin Sens. 1; $9.4 \% \leq C < 100 \%$

Note L: The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ("Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method" Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

The full text of each relevant H- phrase and Hazard classes and cat. see in Section 16.

SAFETY DATA SHEET

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC



Trade name: **A.Z. Meistererteile Getriebeöl GL-475W-80**

Version: 3

Latest revision: 10. 06. 2022

Date of issue: 02. 11. 2017

Page: 4/(14)

SECTION 4 First aid measures

4.1 Description of first aid measures

General information: Never give anything by mouth to an unconscious person, or never induce vomiting.

Inhalation: Remove the affected person to fresh air. If rapid recovery does not occur, obtain medical attention.

Skin contact: Remove contaminated clothing. Wash skin with large amounts of water, use soap. In case of persistent irritation, get medical attention.

Eye contact: Flush eyes with plenty of water for 10-15 minutes. In case of persistent irritation, get medical attention.

Ingestion: If swallowed, give water. **Do not** induce vomiting. Get medical attention.

Protection of first-aid person: No individual specifications.

4.2 Most important symptoms and effects, both acute and delayed

May produce an allergic reaction

Prolonged and/or repeated contact may cause irritation on skin or in eyes depending on individual sensitivity.

If vapours are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.

4.3 Indication of any immediate medical attention and special treatment needed

Not required.

SECTION 5 Fire-fighting measures

Fire hazards:

Combustible

5.1 Extinguishing media

Suitable extinguishing media:

Foam, carbon dioxide, dry chemical powder.

Unsuitable extinguishing media:

Full water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products:

On burning, carbon monoxide, carbon dioxide, various hydrocarbons and soot can be formed.

SAFETY DATA SHEET

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC



Trade name: **A.Z. Meistererteile Getriebeöl GL-475W-80**

Version: 3 Latest revision: 10. 06. 2022 Date of issue: 02. 11. 2017 Page: 5/(14)

5.3 Advice for fire-fighters

Special protective equipment:

According to the existing fire-fighting regulations. Respiratory protection.

Further information:

Collect contaminated fire-fighting water separately. It must not enter the sewage system.

Contaminated extinguishing water must be disposed of in accordance with official regulations.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: see Section 8.

Danger of slipping on leaked out/spilled product.

6.2 Environmental precautions:

Confine spills to prevent material from entering sewers, watercourses, drains and into soil

Notify relevant authority.

6.3 Methods and material for containment and cleaning up

On soil: All kind of ignition sources should be removed. Contain spilled liquid with sand, earth or other suitable absorbents. Recover free liquid by pumping. Dispose of according to local regulations.

On water: Confine the spillage. Remove from surface by skimming or suitable absorbents. Notify local authorities according to regulations.

6.4 Reference to other sections

Personal precautions: see section 8.

Waste treatment methods: see section 13.

SECTION 7 Handling and storage

7.1 Precautions for safe handling

Keep general measures applied for normal operations with lubricants.

Keep away from radiant heat and open flame.

Avoid contact with skin and eyes. Avoid prolonged breathing of oil vapours or mists.

Ensure washing facilities after working hours and before breaks.

Take off contaminated clothing and wash it before reuse.

SAFETY DATA SHEET

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC



Trade name: **A.Z. Meisterteile Getriebeöl GL-475W-80**

Version: 3 Latest revision: 10. 06. 2022 Date of issue: 02. 11. 2017 Page: 6/(14)

When using do not eat, drink or smoke. Avoid splashing the product.
Handling temperature: not known.

- 7.2 Conditions for safe storage, including any incompatibilities
Storage facilities must comply with regulations for storing of flammable liquids.
Store in dry, well-ventilated place in original, closed containers.
Keep away from radiant heat, open flame and strong oxidizing agents.
Storage temperature: max. 40°C.

- 7.3 Specific end use(s)
Synthetic automotive gear oil.

SECTION 8 Exposure controls / personal protection

- 8.1 Control parameters:

Mineral oil mist: TWA: **5 mg/m³**; STEL: 10 mg/m³, for oil mist, vapour excluded (ACGIH).

Method of testing, recommended: NIOSH 5026

- 8.2 Exposure controls

Engineering control measures:
Not required.

Personal protection:

- (a) Eye/face protection Where splashing is possible, wear safety glasses (EN 166).
(b) Skin protection
(i) Hand protection Oil resistant gloves (EN 374, Breakthrough time > 480 min, PK power level: 6; PR flow rate: 0).
Note: Manufacturer's directions for use and the conditions of application should be observed.
(ii) Other Protective clothing (oil resistant).
(c) Respiratory protection Under normal conditions not required. In case of exceeded exposure-limits respiratory protection with particle-filter is recommended.
(d) Thermal hazards No data.

Environmental exposure controls:

Do not discharge into drains/surface waters/groundwater.

SAFETY DATA SHEET

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC



Trade name: **A.Z. Meistererteile Getriebeöl GL-4 75W-80**

Version: 3 Latest revision: 10. 06. 2022 Date of issue: 02. 11. 2017 Page: 7/(14)

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Physical state:	liquid
b) Colour:	brown, bright, clear
c) Odour:	characteristic
d) Melting point/freezing point (Pour point) (ISO 3016):	typ. -42°C
e) Boiling point or initial boiling point and boiling range (DIN 51356):	not available
f) Flammability:	combustible
g) Lower and upper explosion limit:	not explosive
h) Flash point (COC) (EN ISO 2592):	typ. 220°C
i) Auto-ignition temperature:	not available
j) Decomposition temperature:	not available
k) pH:	not applicable
l) Kinematic viscosity (EN ISO 3104) at 40°C:	typ. 56.5 mm ² /s
at 100°C:	typ. 9.5 mm ² /s
m) Solubility	
Solubility in water:	practically insoluble in water
Solubility in other solvents:	gasoline, kerosene, toluene, etc.
n) Partition coefficient n-octanol/water (log value):	not available
o) Vapour pressure at 20°C:	negligible
p) Density and/or relative density at 15°C (DIN EN ISO 12185):	0.850-0.870 g/cm ³
q) Relative vapour density:	not available
r) Particle characteristics:	not available

9.2 Other information

Oxidizing properties: not oxidize

SECTION 10 Stability and reactivity

10.1 Reactivity:	Dangerous reactivity not known.
10.2 Chemical stability:	No decomposition if stored and handled properly.
10.3 Possibility of hazardous reactions:	Not known
10.4 Conditions to avoid:	Direct heat or ignition sources.

SAFETY DATA SHEET

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC



Trade name: **A.Z. Meistererteile Getriebeöl GL-4 75W-80**

Version: 3 Latest revision: 10. 06. 2022 Date of issue: 02. 11. 2017 Page: 8/(14)

- 10.5 Incompatible materials: Strong oxidizing agents.
- 10.6 Hazardous decomposition products: No dangerous decomposition products are formed under normal conditions. Hazardous combustion products: See Section 5.

SECTION 11 Toxicological information

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

Acute toxicity: Based on available data, the classification criteria are not met

Components:

Distillates (petroleum), hydrotreated heavy paraffinic (CAS: 64742-54-7)

Oral:	LD ₅₀ (rat)	> 2000 mg/kg	(OECD 401)
Dermal:	LD ₅₀ (rabbit)	> 2000 mg/kg	(OECD 402)
Inhalation:	LC ₅₀ (rat)	> 5000 mg/m ³	(OECD 403)

Lubricating oils (petroleum) C20-50, hydrotreated neutral oil-based (CAS: 72623-87-1)

Oral:	LD ₅₀ (rat)	> 5000 mg/kg
Dermal:	LD ₅₀ (rabbit)	> 2000 mg/kg
Inhalation:	LC ₅₀ (rat)	> 5,53 mg/L

Bis(nonylphenyl)amine (CAS: 36878-20-3)

Oral:	LD ₅₀ (rat)	> 5000 mg/kg	OECD 401
Dermal:	LD ₅₀ (rabbit)	> 2000 mg/kg	OECD 402

- 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.

11.2 Information on other hazards

The mixture does not contain any substance with endocrine disrupting properties, at a concentration of 0.1% or more.

SAFETY DATA SHEET

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC



Trade name: **A.Z. Meisterteile Getriebeöl GL-475W-80**

Version: 3 Latest revision: 10. 06. 2022 Date of issue: 02. 11. 2017 Page: 9/(14)

SECTION 12 Ecological information

12.1 Toxicity No data for the product.

Components:

Distillates (petroleum), hydrotreated heavy paraffinic (CAS: 64742-54-7)

Fish:	> 1000 mg/L	96 h (OECD 203)
Daphnia:	> 100 mg/L	48 h (OECD 202)
Algae:	> 100 mg/L	72 h (OECD 201)

Lubricating oils (petroleum) C20-50, hydrotreated neutral oil-based (CAS: 72623-87-1)

Fish:	LC ₅₀	> 100 mg/L
-------	------------------	------------

Bis(nonylphenyl)amine (CAS: 36878-20-3)

Fish (Danio rerio):	LC ₅₀	> 100 mg/L	96 h (OECD 203)
Daphnia (Daphnia magna):	EC ₅₀	> 100 mg/L	48 h (OECD 202)
Algae (Desmodesmus subspicatus):	EC ₅₀	> 100 mg/L	72 h (OECD 201)

Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) (EC: 931-384-6)

Fish (Oncorhynchus mykiss):	LC ₅₀	24 mg/l	96 h
Fish (Oncorhynchus mykiss):	NOEC	3.2 mg/l	96 h
Fish (Pimephales promelas):	LC ₅₀	8.5 mg/l	96 h
Daphnia magna:	EC ₅₀	91.4 mg/l	48 h
Daphnia magna:	EC ₅₀	0.66 mg/l	21 days
Daphnia magna:	NOEC	0.12 mg/l	21 days
Algae (Selenastrum capricomutum):	EC ₅₀	6.4 mg/l	96 h
Algae (Selenastrum capricomutum):	NOEC	10.7 mg/l	96 h
Activated sludge:	EC ₅₀	2.433 mg/l	0.1 days

2-ethylhexyl methacrylate (CAS: 688-84-6):

Fish:	LC ₅₀	2.78 mg/L	96 h
Daphnia (Daphnia magna):	EC ₅₀	0.105 mg/L	21 days
Daphnia (Daphnia magna):	NOEC	0.105 mg/L	21 days

12.2 Persistence and degradability No data available.

Biodegradability: Hydrocarbons are inherently degradable.

SAFETY DATA SHEET

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC



Trade name: **A.Z. Meistererteile Getriebeöl GL-4 75W-80**

Version: 3

Latest revision: 10. 06. 2022

Date of issue: 02. 11. 2017

Page: 10/(14)

Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) (EC: 931-384-6)

DOC: 3.6% (28 days);
7.4% (28 days, OECD TG 301 B)
2-ethylhexyl methacrylate (CAS: 688-84-6): 88 % (28 days, OECD TG 301 C)

12.3 Bioaccumulative potential

No data available.

2-ethylhexyl methacrylate (CAS: 688-84-6): BCF: 37 (measured); Log Kow: 4,95 (measured)

12.4 Mobility in soil:

Absorbs in soil.

Mobility in water:

Floats on water.

12.5 Results of PBT and vPvB assessment

Does not contain PBT and vPvB substances, at a concentration of 0.1% or more.

12.6 Endocrine disrupting properties

The mixture does not contain any substance with endocrine disrupting properties, at a concentration of 0.1% or more.

12.7 Other adverse effects

Heavy metal content:

None.

PCT, PCB and other chlorinated hydrocarbons:

None.

Environmental effects:

Large spills may be hazardous to the environment.

Spills may form a film on water surfaces causing impaired oxygen transfer.

Water hazard class (German):

WGK 1 (Classification by AwSV)

SECTION 13 Disposal considerations

13.1 Waste treatment methods

Product disposal:

Wastes of the product or used oil should be treated as hazardous waste.

Waste Identification Code: 13 02 06*

Synthetic engine, gear and lubricating oils.

Waste Identification Code: 13 02 05*

Mineral-based non-chlorinated engine, gear and lubricating oils.

SAFETY DATA SHEET

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC



Trade name: **A.Z. Meistererteile Getriebeöl GL-4 75W-80**

Version: 3

Latest revision: 10. 06. 2022

Date of issue: 02. 11. 2017

Page: 12/(14)

15.2 Chemical safety assessment.
not available

SECTION 16 Other information

The information given in this data sheet is based on our best knowledge at the time of publication. The information is related only to this product and is intended to assist its safe transport, handling and use. The given physical and chemical parameters describe the product only for the purpose of safety requirements and therefore should not be construed as guaranteeing any specific property of the product or as being part of a product specification or any contract.

The manufacturer or supplier shall not take responsibility for any damages from the use other than recommended or other misuse of the product. It is the responsibility of the user to keep regulatory precautions and observe recommendations for safe use of the product.

Classification for mixtures and used evaluation method according to regulation 1272/2008/EC (CLP)
Not classified.

The full text of each relevant Hazard classes and cat., H- phrase in Section 3.:

H302	Harmful if swallowed
H315	Causes skin irritation.
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
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.
Acute Tox. 4	Acute toxicity Category 4
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Respiratory/skin sensitization 1 Category
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit: 2	Serious eye damage/eye irritation Category 2
STOT SE 3	Specific target organ toxicity — single exposure Category 3

SAFETY DATA SHEET

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC



Trade name: **A.Z. Meistererteile Getriebeöl GL-4 75W-80**

Version: 3

Latest revision: 10. 06. 2022

Date of issue: 02. 11. 2017

Page: 13/(14)

Aquatic Chronic 2 Hazardous to the aquatic environment Category 2
Aquatic Chronic 3 Hazardous to the aquatic environment Category 3
Aquatic Chronic 4 Hazardous to the aquatic environment Category 4

Legend:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration Factor
BOD	Biological Oxygen Demand
Bw	Body Weight
C&L	Classification and Labelling
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic or toxic to Reproduction
COD	Chemical Oxygen Demand
CSA	Chemical Safety Assessment
CSR	Chemical Safety Report
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
ECHA	European Chemicals Agency
Ecx	Effective Concentration x%
Edx	Effective Dose x%
ELINCS	European List of Notified Chemical Substances
ErC50	EC50 in terms of reduction of growth rate;
ES	Exposure Scenario
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LCx	Lethal Concentration x%
LDx	Lethal Dose x%
LOAEC	Lowest Observed Adverse Effect Concentration
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest Observed Effect Level
NOEC	No observed effect concentration
NOEL	No observed effect level
NLP	No-Longer Polymer
NOAEL	No Observed Adverse Effect Level
OECD	Organisation for Economic Cooperation and Development

SAFETY DATA SHEET

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC



Trade name: **A.Z. Meistererteile Getriebeöl GL-475W-80**

Version: 3 Latest revision: 10. 06. 2022 Date of issue: 02. 11. 2017 Page: 14/(14)

PBT	Persistent Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SVHC	Substance of Very High Concern
UVCB	substance of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bio-accumulative

Revision Indicators:

Section	Subject of change	Date	Version
2	Hazards identification	27. 09. 2018	2
2,2	Label elements		
3	Composition/information on ingredients		
9	Physical and chemical properties		
1-16	Other corrections		
1-16	Revision modification according to 2020/878/EU Full revision due to composition change	10. 06. 2022	3