



Trade name: UNIX Automotive SAE 10W-40

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

1.1 Product identifier:

UNIX Automotive SAE 10W-40

1.2 Relevant identified uses of the <u>mixture</u> or substance and uses advised against

Relevant identified uses: semi-synthetic motor oil

Uses advised against: no data

1.3 Details of the supplier of the safety data sheet:

Trader identification: Technical information:

UNIX Autó és Alkatrészkereskedelmi Kft.
H-1139 Budapest, Frangepán u. 55-57.
UNIX Autó és Alkatrészkereskedelmi Kft.
H-1139 Budapest, Frangepán u. 55-57.

Tel.: 06 1 270 8700 Tel.: 06 1 270 8700 Fax: 06 1 270 8799 Fax: 06 1 270 8799

E-mail: info@unixauto.hu E-mail: info@unixauto.hu

Responsible for SDS:

UNIX Autó és Alkatrészkereskedelmi Kft. H-1139 Budapest, Frangepán u. 55-57.

Tel.: 06 1 270 8700 Fax: 06 1 270 8799 E-mail: info@unixauto.hu

1.4 Emergency telephone number

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

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:

2. SECTION Hazards identification

2.1 Classification of the mixture or substance

Hazard Class and Category: Hazard statement:

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



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

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2.2 Label elements

Product identification: Trade name: UNIX Automotive SAE 10W-40

Hazardous component(s):

GHS Pictogram: not required Signal word: not required

Hazard statement:

H412 Harmful to aquatic life with long lasting effects.

Supplemental hazard information: -

Precautionary statements – General: -

Precautionary statements – Prevention:

P273 Avoid release to the environment.

Precautionary statements – Response: -

Precautionary statements – Storage: -

Precautionary statements – Disposal:

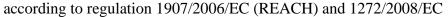
P501 Dispose of contents/container in accordance with national regulation.

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.





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SECTION 3 Composition/information on ingredients

3.2 Mixtures

Chemical description: Mixture of refined mineral base oils and synthetic oil containing

additives.

Component(s) / Hazardous component(s):

Name	EC	CAS	Hazard classes	Hazard	Conc.
	number	number	and cat.	statements	%(m/m)
Lubricating oils	305-594-8	94733-15-0	-	-	max. 85
(petroleum), C18-40*			(Note L)		
REACH Registr. Nr.:					
01-2119486987-11					
Base oil – unspecified,	265-157-1	64742-54-7	-	-	max. 80
hydrotreated heavy			(Note L)		
paraffinic, C20-C50*			, ,		
REACH Registr. Nr:					
01-2119484627-25					
Lubricating oils	309-877-7	101316-72-7	-	-	max. 50
(petroleum), C24- C50*			(Note L)		
REACH Registr. Nr.:			, , ,		
01-2119489969-06					
Distillates (petroleum),	295-301-9	91995-40-3	Asp.Tox.1	H304	max. 20
dewaxed light			(Note L)		
paraffinic, hydrotreated					
REACH Registr.Nr.:					
01-2119488517-24					
Lubricating oils	305-594-8	94733-15-0	Asp.Tox.1	H304	max. 15
(petroleum), C18-40*			(Note L)		
REACH Registr. Nr.:					
01-2119486987-11					
Mineral oil raffinate*		mixture	-	-	max. 7
			(Note L)		
Zinc dialkyl dithiophosphate**	272-028-3	68649-42-3	Skin Irrit. 2	H315	max. 1.1
REACH Registr. Nr.:			Eye Dam. 1	H318	
01-2119657973-23			Aquatic Chr.2	H411	
Organomolybdenum amide*		445409-27-8	Aquatic Chron. 2	H411	max.0.6
REACH Registr. Nr.:					
no data					

^{*:} with exposure limit

Skin Irrit. 2; : $C \ge 5$ %; Eye Dam. 1; : C > 10 %; Eye Irrit. 2; : 5 % $\le C \le 10$ %.

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

AUTOMOTIVE*

^{**} Specific concentration limit:





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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

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

4.3 Indication of any immediate medical attention and special treatment need Not required.

SECTION 5 Fire-fighting measures

Fire hazards:

Combustible.

5.1 Extinguishing media

Suitable extinguishing media:

Foam, carbon dioxide, dry chemical powder.

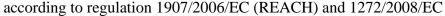
Unsuitable extinguishing media:

Water jet.

5.2 Special hazards arising from the <u>mixture</u> or substance

Hazardous combustion products:

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



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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.

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. Recover free liquid by

pumping. Contain the rest or small quantities with sand, earth or other

suitable absorbents. 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 and flammable liquids. Keep away from radiant heat and open flame.

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

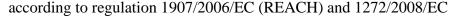
Ensure washing facilities after working hours and before breaks.

Take off contaminated clothing and wash it before reuse.

When using do not eat, drink or smoke. Avoid splashing the product.

Handling temperature: not data







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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)

Semi-synthetic motor oil.

SECTION 8 Exposure controls / personal protection

Engineering control measures:

Not required.

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

Molybdenum: 2000/39/EC and mod. -

8.2 Exposure controls

Personal protection:

Respiratory protection: Under normal conditions it is not necessary. In case of exceeded

exposure-limits respiratory protection with particle-filter is

recommended.

Hand protection: Oil resistant gloves (EN 374, Breakthrough time 480 min) (e.g.

nitrile rubber – minimal thickness 0.33 mm).

Note: Manufacturer's directions for use and the conditions of

application should be observed.

Eye protection: Protective goggles, if splashes may occur (EN 166).

Skin protection: Protective clothing (oil resistant).

Other special: No data.

Environmental exposure controls:

Do not discharge into drains/surface waters/groundwater.

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



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SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:

Physical state: liquid
Colour: brown, clear
Odour: characteristic

Change in physical state:

Pour point (ISO 3016): typ. -33°C not available

Others:

Flash point (COC) (EN ISO 2592): typ. 225°C Ignition point (EN ISO 2592): not available Autoignition temperature: not available Explosive properties: not explosive Oxidizing properties: not oxidize Vapour pressure at 20°C: negligible

Density at 15° C (EN ISO 12185): $0.860 - 0.880 \text{ g/cm}^3$

Solubility in water: practically insoluble in water gasoline, kerosene, toluene, etc.

n-Octanol/water partition coefficient:

Vapour density:

Heating value:

Kinematic viscosity at 40°C (EN ISO 3104):

Kinematic viscosity at 100°C (EN ISO 3104):

pH:

not available
not available
tipf. 38 000 kJ/kg
typ. 96.3 mm²/s
typ. 14.0 mm²/s
not applicable

9.2 Other information no data available

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

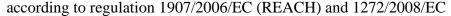
reactions: Not known.

10.4 Conditions to avoid: Direct heat or ignition sources.

10.5 Incompatible materials: Strong oxidizing agents.

10.6 Hazardous decomposition No dangerous decomposition products are formed under normal

products: conditions. Hazardous combustion products: See Section 5.





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SECTION 11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Oral: LD_{50} (rat) > 2000 mg/kg (based on components) Dermal: LD_{50} (rabbit) > 2000 mg/kg (based on components)

Inhalation: no data

Components:

Lubricating oils (petroleum), C18-C40:

 $\begin{array}{llll} \text{Oral:} & \text{LD}_{50} \, (\text{rat}) & > 5000 \, \text{ mg/kg} \\ \text{Dermal:} & \text{LD}_{50} \, (\text{rabbit}) & > 2000 \, \text{ mg/kg} \\ \text{Inhalation:} & \text{LC}_{50} \, (\text{rat}) & > 5.53 \, \text{ mg/L} \\ \end{array}$

Lubricating oils (petroleum), C24 - C50:

 $\begin{array}{lll} \text{Oral:} & \text{LD}_{50} \, (\text{rat}) & > 5000 \, \text{ mg/kg} \\ \text{Dermal:} & \text{LD}_{50} \, (\text{rabbit}) & > 2000 \, \text{ mg/kg} \\ \text{Inhalation:} & \text{LC}_{50} \, (\text{rat}) & > 5.53 \, \text{ mg/L} \end{array}$

Distillates (petroleum), dewaxed light paraffinic, hydrotreated: Oral: LD_{50} (rat) > 5000 mg/kg Dermal: LD_{50} (rabbit) > 2000 mg/kg Inhalation: LC_{50} (rat) > 5.53 mg/L

Base oil – unspecified, hydrotreated heavy paraffinic:

Oral: LD_{50} (rat) > 2000 mg/kg OECD 401 Dermal: LD_{50} (rabbit) > 2000 mg/kg OECD 402 Inhalation: LC_{50} (rat) > 5000 mg/m³ OECD 403

Zinc dialkyl dithiophosphate:

Oral: LD_{50} (rat) 2230 mg/kg Dermal: LD_{50} (rat) > 2000 mg/kg

Acute toxicity: irritation

Skin: not irritant (based on components)

Eye: not irritant (based on components)

Respiratory or skin sensitisation: not sensitising (based on components)

Other information, specific effects:

Note L: The classification as a carcinogen need not apply according to 1272/2008/EC, because it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346.

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



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Germ cell mutagenicity: not known, resp. not mutagen (based on components)
Carcinogenicity: not known, resp. not carcinogen (based on components)
Reproductive toxicity: not known, resp. no reproduction-damaging effect

(based on components)

STOT-single exposure: not classified STOT-repeated exposure: not classified Aspiration hazard: not classified

SECTION 12 Toxicological information

12.1 Toxicity No data for the product.

Components:

Lubricating oils (petroleum), C18-C40:

Lubricating oils (petroleum), C24 - C50:

Distillates (petroleum), dewaxed light paraffinic, hydrotreated:

Fish: LC_{50} > 100 mg/L Daphnia: EC_{50} > 100 mg/L Other aquatic organisms: EC_{50} > 100 mg/L Other living beings: EC_{50} > 100 mg/L > 1 mg/L

Base oil – unspecified, hydrotreated heavy paraffinic:

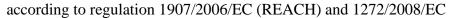
Fish: >1000 mg/L 96 h (OECD 203)
Daphnia: >100 mg/L 48 h (OECD 202)
Algae: >100 mg/L 72 h (OECD 201)

12.2 Persistence and degradability

Biodegradability: Hydrocarbons are inherently degradable.

Zinc dialkyl dithiophosphate: Not easily degradable.

12.3 Bioaccumulative potential No data available.



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12.4 Mobility

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.

12.6 Other adverse effects Harmful to aquatic life with long lasting effects.

Heavy metal content: None.

PCT, PCB and other chlorinated

hydrocarbons: None.

Environmental effects: Spills may form a film on water surfaces causing

impaired oxygen transfer.

Water hazard class (German): WGK 2 (Classification by VwVwS)

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 05*

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

Waste Identification Code: 13 02 06* Synthetic engine, gear and lubricating oils.

Disposal must be in compliance with national and local regulations.

Recommended waste treatment method: incineration

Packaging disposal:

Containers with product residue should also be treated as hazardous waste according to national and local disposal regulations.

Waste Identification Code: 15 01 10*

Packaging containing residues of or contaminated by dangerous substances.

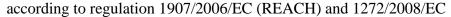
Disposal must be in compliance with national and local regulations.

Wastewater:

Quality of wastewater emitted to natural water must comply with national and local regulations.

Care should be taken in any case to ensure compliance with EC, national and local regulations. It is the responsibility of the user to know all relevant national and local regulations.





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SECTION 14 Transport information

Land transport:

Road/ Railway ADR/RID: Not classified.

14.1 UN number:

14.2 UN proper shipping name:
14.3 Transport hazard class(es):
14.4 Packing group:
14.5 Environmental hazards:
14.6 Special precautions for user:
Not classified.
Not classified.
Not classified.
Not classified.

Waterways:

Inland waterways/ Sea transport ADN/IMDG: Not apply to the product.

Air transport: ICAO / IATA: Not apply to the product.

SECTION 15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the mixture.

This safety data sheet has been prepared according to Regulation (EC) No 1907/2006 (mod.: 2015/830/EU) and to Regulation (EC) 1272/2008.

Seveso category: not classified.

15.2 Chemical safety assessment.

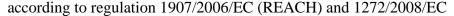
not available

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.







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Source of data presented in this material safety data sheet:

Test results of this product

Material safety data sheets of product's components 1272/2008/EC regulation, Annex XVII. of REACH

Relevant Hungarian and EU regulations

Classification for mixtures and used evaluation method according to regulation 1272/2008/EC

(CLP)

Aquatic Chronic 3 H412 calculation method

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

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

Asp. Tox. 1 Aspiration hazard Category 1

Skin Irrit. 2 Skin corrosion/irritation Category 2

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

Aquatic Chronic 2 Hazardous to the aquatic environment, Chronic Category 2

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

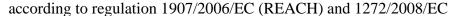
ATE Acute Toxicity Estimate
BCF Bioconcentration Factor
BOD Biological Oxygen Demand

Bw Body Weight

C&L Classification and Labelling
CAS Chemical Abstracts Service
CLP Classification and Labelling

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



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Ecx Effective Concentration x%

ErC50 EC50 in terms of reduction of growth rate

Edx Effective Dose x%
EC European Community

EC number European Community number

ELINCS European List of Notified Chemical Substances

ES Exposure Scenario

ESIS European Chemical Substances Information System 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

PBT Persistent Bioaccumulative and Toxic PNEC Predicted No-Effect Concentration

ppm parts/million

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
1.4	Emergency telephone number	12.01.2021	2
2	Hazards identification.		
3	Composition/information on ingredients		
9	Physical and chemical properties		
11	Toxicological information		
12	Ecological information		
15	Regulatory information		
1-16	Other corrections		

