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

1.1 Product identifier

Trade name: Agip Racing 10W-60

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

General use: Lubricating agent

1.3 Details of the supplier of the safety data sheet

Company name: Enilive Schmiertechnik GmbH
Street/POB-No.: Paradiesstraße 14
Postal Code, city: 97080 Würzburg
Germany
E-mail: info.wuerzburg@enilive.com
Telephone: +49 (0)931-90098-0
Telefax: +49 (0)931-98442

Department responsible for information:
Application Engineering & Product Management (AEPM)
Telephone: +49 (0)931-90098-0
E-mail: technik.wuerzburg@enilive.com

1.4 Emergency telephone number

GIZ-Nord, Göttingen
Telephone: +49 (0)551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

This mixture is classified as not hazardous.

2.2 Label elements

Labelling (CLP)

Hazard statements: not applicable

Precautionary statements: not applicable

Special labelling

EUH210 Safety data sheet available on request.

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:
No data available

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: A mixture of hydrocarbons, polymers and additives.

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119484627-25-xxxx EC No. 265-157-1 CAS 64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic Asp. Tox. 1; H304.	< 10 %
REACH 01-2119493949-12-xxxx EC No. 500-393-3 CAS 157707-86-3	Dec-1-ene, trimers, hydrogenated Asp. Tox. 1; H304.	< 6 %
REACH 01-2119487077-29-xxxx EC No. 265-158-7 CAS 64742-55-8	Distillates (petroleum), hydrotreated light paraffinic Asp. Tox. 1; H304.	< 2,7 %
REACH 01-2119487067-30-xxxx EC No. 265-091-3 CAS 64741-89-5	Distillates (petroleum), solvent-refined light paraffinic Asp. Tox. 1; H304.	< 2,7 %
REACH 01-2119471299-27-xxxx EC No. 265-169-7 CAS 64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic Asp. Tox. 1; H304.	< 1,35 %
REACH 01-2119480132-48-xxxx EC No. 265-159-2 CAS 64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic Asp. Tox. 1; H304.	< 1,35 %
REACH 01-2119484627-25-xxxx EC No. 265-157-1 CAS 64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic Asp. Tox. 1; H304.	< 1,35 %

Full text of H- and EUH-statements: see section 16.

Additional information: Contains Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based. The maximum workplace exposure limits are, where necessary, listed in section 8.
The highly refined mineral oil contains <3% (w/w) DMSO extract, according to IP346.

SECTION 4: First aid measures

4.1 Description of first aid measures

In case of inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if problems persist.

Following skin contact: Take off contaminated clothing and wash it before reuse. Remove residues with soap and water. In case of skin reactions, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

After swallowing: Rinse mouth. Never give anything by mouth to an unconscious person. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

In case of inhalation:
Overheating released mist or vapours can irritate the respiratory tracts.
In case of ingestion: Nausea, discomfort, gastrointestinal complaints
After contact with skin: The hot material can cause burns.
After eye contact: Direct contact with eyes may cause temporary irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:
Water spray jet, foam, extinguishing powder, earth, sand, carbon dioxide.

Extinguishing media which must not be used for safety reasons:
Full water jet

5.2 Special hazards arising from the substance or mixture

Combustible.
May form dangerous gases and vapours in case of fire.
Furthermore, there may develop: sulphur oxides, Hydrogen sulphide, Nitrogen oxides (NOx), aldehydes, phosphorus oxides, tin oxides, Calcium oxide, Carbon monoxide and carbon dioxide.
Vapours are heavier than air, spread along floors and form explosive mixtures with air.

5.3 Advice for firefighters

Special protective equipment for firefighters:
Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information: Use fine water spray to cool endangered containers. Move undamaged containers from immediate hazard area if it can be done safely.
In case of major fire and large quantities: Evacuate area.
Contaminated fire-fighting water must be collected separately. Do not allow water used to extinguish fire to enter drains, ground or waterways.
Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe mist/vapours/spray. Provide adequate ventilation. Avoid oil mist formation. Eliminate all ignition sources if safe to do so. Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse. Do not get in eyes, on skin, or on clothing. Keep unprotected people away.

6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains.
If necessary notify appropriate authorities.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
Eliminate leaks immediately. Prevent spread over a wide area (e.g. by containment or oil barriers).
Never return spills in original containers for re-use.

Additional information: Special danger of slipping by leaking/spilling product.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Avoid oil mist formation. Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Don't put cleaning rags fouled by oil into trousers pockets.

Precautions against fire and explosion:
Keep away from open flames, hot surfaces and sources of ignition. When using do not smoke.
When handling larger quantities, take precautionary measures against electrostatic charging.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:
Keep container tightly closed and in a well-ventilated place.
Keep container dry. Keep only in the original container.
Protect from heat and direct sunlight.

Hints on joint storage: Do not store with strong oxidizing agents.
Keep away from food, drink and animal feedingstuffs.

Storage class: 10 = Combustible liquids, unless storage class 3

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

DNEL/DMEL: Information about Dec-1-ene, trimers, hydrogenated:
DNEL workers, acute, inhalative, local: 60 mg/m³
DNEL consumers, acute, inhalative, local: 50 mg/m³

8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

Personal protection equipment

Occupational exposure controls

Respiratory protection: In case of inadequate ventilation wear respiratory protection. Use combination filter type A/P according to EN 14387.
Approved respiratory protection equipment shall be used in spaces where hydrogen sulfide may accumulate. full face mask (EN 136) with filter type B.
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.

Hand protection: Protective gloves according to DIN EN 374.
Glove material: nitrile rubber (NBR); PVC
Breakthrough time: >= 240 min
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to DIN EN ISO 16321-1:2022.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:
Do not breathe mist/vapours/spray. Avoid oil mist formation. Take off contaminated clothing and wash it before reuse. Do not get in eyes, on skin, or on clothing.
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
Don't put cleaning rags fouled by oil into trousers pockets.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	liquid Form: Clear
Colour:	Yellow-brown
Odour:	Petroleum
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	430 - 620 °C (Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based)
Flammability:	Not applicable
Upper/lower flammability or explosive limits:	LEL (Lower Explosion Limit): >= 45 g/m³ (Aerosol)
Flash point/flash point range:	230 °C (ASTM D 92)
Auto-ignition temperature:	> 300 °C (Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based)
Decomposition temperature:	No data available
pH:	No data available
Viscosity, kinematic:	at 40 °C: 165 mm²/s (ASTM D 445)
Water solubility:	Insoluble

Partition coefficient: n-octanol/water:	8 log K(o/w) (Benzolsulfonsäure, di-C10-14-Alkylderivate, Calciumsalze mit TBN >= 300) Based on the n-octanol/water partition coefficient accumulation in organisms is possible. 2 - 6 log P(o/w) (Distillates (petroleum), hydrotreated heavy paraffinic) Based on the n-octanol/water partition coefficient accumulation in organisms is possible. <= 1 log K(o/w) (Distillates (petroleum), hydrotreated light paraffinic) Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected. >= 6 log K(o/w) (Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based) Based on the n-octanol/water partition coefficient accumulation in organisms is possible. >= 10 log P(o/w) (Dec-1-ene, trimers, hydrogenated) Based on the n-octanol/water partition coefficient accumulation in organisms is possible.
Vapour pressure:	at 20 °C: <= 0,1 hPa
Density:	at 15 °C: 0,856 g/mL (ASTM D 4052)
Vapour density:	No data available
Particle characteristics:	Not applicable

9.2 Other information

Explosive properties:	No data available
Oxidizing characteristics:	No data available
Auto-ignition temperature:	No data available
Evaporation rate:	No data available
Additional information:	Softening point: -27 °C (ASTM D 97)

SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to subsection "Possibility of hazardous reactions".

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products when regulations for storage and handling are observed.
After contact with water: product may release Hydrogen Sulphide.

Thermal decomposition: No data available

SECTION 11: Toxicological information

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

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.

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.

Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.

Skin sensitisation: Based on available data, the classification criteria are not met.
Contains calcium sulfonate:
Total Base Number (TBN) > 300 mgKOH/g (ASTM D 2896)

Germ cell mutagenicity/Genotoxicity: 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.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (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

Endocrine disrupting properties:

None

Other information:

Information about Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based:
LD50, Rat, oral: > 5.000 mg/kg (OECD 401)
LD50, Rabbit, dermal: > 5.000 mg/kg (OECD 402)
LC50, Rat, inhalative: > 5 mg/L/4h (OECD 403)

Information about Dec-1-ene, trimers, hydrogenated:
LD50, Rat, oral: > 2.000 mg/kg (OECD 420)

Information about Distillates (petroleum), hydrotreated heavy paraffinic:
LD50, Rat, oral: > 5.000 mg/kg (OECD 401)
LD50, Rabbit, dermal: > 2.000 mg/kg (OECD 402)
LC50, Rat, inhalative: > 5,53 mg/L/4h (OECD 403)

Information about Distillates (petroleum), hydrotreated heavy paraffinic:
LD50, Rat, oral: > 5.000 mg/kg (OECD 401)
LD50, Rabbit, dermal: > 2.000 mg/kg (OECD 402)
LC50, Rat, inhalative: > 5,0 mg/L/4h (OECD 403)

Information about Distillates (petroleum), solvent-dewaxed heavy paraffinic:
LD50, Rat, oral: > 5.000 mg/kg (OECD 401)
LD50, Rat, dermal: > 5.000 mg/kg (OECD 402)
LC50, Rat, inhalative: > 5,0 mg/L/4h (OECD 403)

Information about Distillates (petroleum), hydrotreated light paraffinic:
LD50, Rat, oral: > 5.000 mg/kg (OECD 401)
LD50, Rabbit, dermal: > 2.000 mg/kg (OECD 402)

Information about Distillates (petroleum), solvent-refined light paraffinic:
LD50, Rat, oral: > 5.000 mg/kg (OECD 401)
LD50, Rabbit, dermal: > 2.000 mg/kg (OECD 402)
LC50, Rat, inhalative: > 5,0 mg/L/4h (OECD 403)

Symptoms

In case of inhalation:
Overheating released mist or vapours can irritate the respiratory tracts.
In case of ingestion: Nausea, discomfort, gastrointestinal complaints
After contact with skin: The hot material can cause burns.
After eye contact: Direct contact with eyes may cause temporary irritation.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Information about Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based:
Fish toxicity:
LL50: > 100 mg/L/96 h
Daphnia toxicity:
EL50: > 10.000 mg/L/48 h

Information about Dec-1-ene, trimers, hydrogenated:
Fish toxicity:
LL50: > 1.000 mg/L/96 h
Daphnia toxicity:
EL50: > 1.000 mg/L/48 h
NOEC (chronic): 125 mg/L/21d
Algae toxicity:
EL50: > 1.000 mg/L/72 h

Information about Distillates (petroleum), hydrotreated heavy paraffinic:
Fish toxicity:
LL50: > 100 mg/L/96 h
Daphnia toxicity:
EL50: > 10.000 mg/L/48h

Information about Distillates (petroleum), hydrotreated heavy paraffinic:
Fish toxicity:
LC50: >100 mg/L/96h
Daphnia toxicity:
EC50: >100 mg/L (OECD 202)
Algae toxicity:
ErC50 Pseudokirchneriella subcapitata (green algae): >100 mg/L/72h
Fish toxicity:
NOEC (chronic): >1 mg/L
crustaceans
NOEC (chronic): 10 mg/L/21d

Information about Distillates (petroleum), solvent-dewaxed heavy paraffinic:
Fish toxicity:
LC50: >100 mg/L/96h
Daphnia toxicity:
EC50: >10.000 mg/L (OECD 202)

Information about Distillates (petroleum), solvent-dewaxed light paraffinic:
Fish toxicity:
LC50: >100 mg/L/96h
Daphnia toxicity:
EC50: >10.000 mg/L (OECD 202)

Information about Distillates (petroleum), hydrotreated light paraffinic:
Fish toxicity:
LC50: >100 mg/L/96h
Daphnia toxicity:
EC50: >10.000 mg/L (OECD 202)
NOEC (chronic): 10 mg/L/21d
Algae toxicity:
EC50: 100 mg/L
NOEC (chronic): >100 mg/L/21d

Information about Distillates (petroleum), solvent-refined light paraffinic:
Fish toxicity:
LC50: >100 mg/L/96h
Daphnia toxicity:
EC50: >10.000 mg/L (OECD 202)

Water Hazard Class: 1 = slightly hazardous to water (Self-classification (mixture).)

12.2 Persistence and degradability

Further details: According to OECD criteria the product is not readily biodegradable but inherently biodegradable.

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

8 log K(o/w) (Benzolsulfonsäure, di-C10-14-Alkylderivate, Calciumsalze mit TBN >= 300)
Based on the n-octanol/water partition coefficient accumulation in organisms is possible.
2 - 6 log P(o/w) (Distillates (petroleum), hydrotreated heavy paraffinic)
Based on the n-octanol/water partition coefficient accumulation in organisms is possible.
<= 1 log K(o/w) (Distillates (petroleum), hydrotreated light paraffinic)
Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.
>= 6 log K(o/w) (Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based)
Based on the n-octanol/water partition coefficient accumulation in organisms is possible.
>= 10 log P(o/w) (Dec-1-ene, trimers, hydrogenated)
Based on the n-octanol/water partition coefficient accumulation in organisms is possible.

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

None

12.7 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Recommendation: 13 02 05*: Mineral-based non-chlorinated engine, gear and lubricating oils
13 02 06*: Synthetic engine, gear and lubricating oils
*= Evidence for disposal must be provided.

Dispose of waste according to applicable legislation. Do not allow to enter into ground-water, surface water or drains.

Package

Recommendation: Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself.
Empty containers may contain flammable product residues. Do not cut, weld, bore, burn or incinerate emptied containers unless they have been cleaned and declared safe.
Empty containers should be disposed of in accordance with local regulations.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID, ADN, IMDG, IATA-DGR:
not applicable

14.2 UN proper shipping name

ADR/RID, ADN, IMDG, IATA-DGR:
Not restricted

14.3 Transport hazard class(es)

ADR/RID, ADN, IMDG, IATA-DGR:
not applicable

14.4 Packing group

ADR/RID, ADN, IMDG, IATA-DGR:
not applicable

14.5 Environmental hazards

Dangerous for the environment:
Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant - IMDG: no

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

National regulations - Germany

Storage class: 10 = Combustible liquids, unless storage class 3

Water Hazard Class: 1 = slightly hazardous to water (Self-classification (mixture).)

Technical guidance air: 5.2.5

Information on working limitations:
Observe employment restrictions for young people.

Further regulations, limitations and legal requirements:
The product is not subject to the Chemicals Prohibition Ordinance (ChemVerbotsV).

National regulations - EC member states

Labelling of packaging with <= 125mL content

Hazard statements: EUH210 Safety data sheet available on request.

Precautionary statements: not applicable

Further regulations, limitations and legal requirements:

Use restriction according to REACH annex XVII, no.: 3.

15.2 Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based
Dec-1-ene, trimers, hydrogenated
Distillates (petroleum), hydrotreated heavy paraffinic
Distillates (petroleum), solvent-dewaxed heavy paraffinic
Distillates (petroleum), solvent-dewaxed light paraffinic
Distillates (petroleum), hydrotreated light paraffinic
Distillates (petroleum), solvent-refined light paraffinic

SECTION 16: Other information

Wording of the H-phrases under paragraph 2 and 3:

H304 = May be fatal if swallowed and enters airways.
EUH210 = Safety data sheet available on request.

Reason of change: Changes in section 1: Details of the supplier of the safety data sheet
General revision

Date of first version: 29.7.2022

Department issuing data sheet:

see section 1: Department responsible for information

Abbreviations and acronyms:

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
AS/NZS: Australian Standards/New Zealand Standards
Asp. Tox.: Aspiration toxicity
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DIN: German Insitute for Standardization
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EC50: Effective Concentration 50%
EL50: Effective loading rate 50%
EN: European Standard
EQ: Excepted quantities
EU: European Union
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
LC50: Median lethal concentration
LD50: Lethal dose 50%
LEL: Lower Explosion Limit
log P(o/w): Partition coefficient: octanol/water
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
NF: French Standard
NOEC: No Observed Effect Concentration
OECD: Organisation for Economic Co-operation and Development
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
PVC: Polyvinyl chloride
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
TRGS: Technical Rules for Hazardous Substances
vPvB: Very persistent and very bioaccumulative

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Most recent product information is available at:
http://sumdat.net/cy63n8wp