

Engine Oil 0W-20**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**Product identifier:

- Trade name: Würth Gulf FZE

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

Relevant identified uses: engine oil.

Uses advised against: do not use this chemical for any purpose other than as described in the "Relevant identified uses".

1.3. Details of the supplier of the safety data sheet

Supplier: Würth Gulf FZE
Address: P.O.Box:17036, Jebel Ali Freezone,South 6, Dubai, U.A.E
Telephone number: +971 50 858 2034
Email address for a competent person responsible for the safety data sheet: info@wurth.ae

1.4. Emergency telephone number

Unified emergency number: 112

SECTION 2. HAZARD IDENTIFICATION**2.1. Classification of the substance or mixture**Classification according to Regulation (EC) No. 1272/2008 [CLP]:

This mixture does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

Physical and chemical hazards: the chemical is not classified as hazardous based on its physical and chemical properties.

Human health hazards: the chemical is not classified as hazardous to human health.

Environmental hazards: the chemical is not classified as hazardous to the environment.

2.2. Label elementsLabelling according to Regulation (EC) No. 1272/2008 [CLP]:Product identifier:

- Trade name: Engine Oil 0W-20

Hazard pictograms: not applicable.

Signal word: not applicable.

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Hazard statements: not applicable.

Precautionary statements:

P102: Keep out of reach of children.

Supplemental information: not applicable.

2.3. Other hazards

This mixture does not contain any substances that are assessed to be a PBT or a vPvB in a concentration $\geq 0,1$ %.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

Other hazards which do not result in classification: the chemical is not classified as flammable, but it can burn.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Substances**

Not applicable.

3.2. Mixtures

Product identifier	Chemical name	Classification ¹	SCL, M-factor, ATE	Concentration, % (m/m)
Index: 649-467-00-8 CAS: 64742-54-7 EC: 265-157-1 REACH: 01-2119484627-25-0014	Distillates (petroleum), hydrotreated heavy paraffinic <i>(Note L)</i>	not classified	-	80 < C < 85
Index: 649-474-00-6 CAS: 64742-65-0 EC: 265-169-7 REACH: -	Distillates (petroleum), solvent-dewaxed heavy paraffinic <i>(Note L)</i>	not classified	-	3 < C < 10
Index: 649-465-00-7 CAS: 64742-52-5 EC: 265-155-0 REACH: -	Distillates (petroleum), hydrotreated heavy naphthenic <i>(Note L)</i>	not classified	-	< 6

¹ According to Regulation (EC) No. 1272/2008 (CLP)

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Index: 649-469-00-9 CAS: 64742-56-9 EC: 265-159-2 REACH: -	Distillates (petroleum), solvent-dewaxed light paraffinic <i>(Note L)</i>	Asp. Tox. 1; H304	-	< 5
Index: - CAS: 68411-46-1 EC: 270-128-1 REACH: 01- 2119491299-23	Benzenamine, N-phenyl-, reaction products with 2,4,4- trimethylpentene	Repr. 2; H361f	-	< 0,5

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.

Substances *Distillates (petroleum), hydrotreated heavy paraffinic, Distillates (petroleum), solvent-dewaxed heavy paraffinic, Distillates (petroleum), hydrotreated heavy naphthenic* and *Distillates (petroleum), solvent-dewaxed light paraffinic* are not classified as carcinogenic substances, because contain less than 3% of dimethyl sulphoxide extract as measured by IP 346 method.

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

SECTION 4. FIRST AID MEASURES
4.1. Description of first aid measures

First-aid measures after inhalation: remove affected person to fresh air, keep warm and rest. If the injured person is unconscious, place him in the recovery position, loosen tight clothing, control and maintain airway patency. In case of loss of consciousness, breathing disorders or persistent symptoms, provide immediate medical assistance.

First-aid measures after skin contact: remove contaminated clothing and shoes immediately. Wash the exposed parts of the skin with mild soap and rinse well with water. Consult a doctor if symptoms occur and persist.

First-aid measures after eye contact: rinse the eyes thoroughly with running water, remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. During flushing, keep the eyelids wide open and move eyeballs. Consult a doctor if symptoms occur and persist. When rinsing, do not use a strong jet of water, as it can damage the cornea.

First-aid measures after ingestion: do not induce vomiting. Seek immediate medical attention. In cases of spontaneous vomiting, lower the head as low as possible to the ground to prevent aspiration into the lungs. If the person is conscious, give him to rinse his mouth with water. Do not give milk, fat or alcohol. If

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any of the following delayed signs and symptoms appear within the next 6 hours, transport the injured person to the nearest medical facility: fever greater than 38,3°C, shortness of breath, chest congestion, continuous coughing or wheezing.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms / effects after inhalation: the chemical may be harmful when inhaled, it may cause irritation of the respiratory tract.

Symptoms / effects after skin contact: repeated or prolonged exposure may cause dermatitis, due to the degreasing properties of the chemical. Signs and symptoms may include a burning sensation and/or a dry/cracked skin appearance.

Symptoms / effects after eye contact: direct contact of the chemical with the eyes may cause to irritation. Exposure symptoms may include a burning sensation, increased tearing and redness.

Symptoms / effects after ingestion: irritation of the gastrointestinal tract, nausea, vomiting and diarrhea may occur. Through ingestion or vomiting after ingestion, the chemical may get into the lungs, causing chemical pneumonia. If the chemical gets into the lungs, signs and symptoms may include: coughing, choking, wheezing, difficulty breathing, chest tightness, shortness of breath, and/or fever. The onset of respiratory symptoms may be delayed several hours after exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Do not induce vomiting. Do not give anything by mouth to the unconscious person. Show this safety data sheet to the medical staff.

Symptomatic treatment.

SECTION 5. FIREFIGHTING MEASURES**5.1. Extinguishing media**

Suitable extinguishing media: alcohol-resistant foam, dry chemical powder extinguishers, water spray. Use water spray or water mist for cooling.

Unsuitable extinguishing media: strong water jet, because it may expand the fire.

5.2. Special hazards arising from the substance or mixture

A chemical with a high flash point. Fumes containing carbon oxides and other unidentified thermal decomposition products of higher hydrocarbons are released in the fire area. Avoid inhalation of combustion products, as they are a health hazard. Call emergency brigades and firefighters.

5.3. Advice for firefighters

Follow the procedures applicable to extinguishing fires involving chemicals.

In the event of a large fire, remove all persons not involved in the extinguishing process. If possible, cool containers exposed to fire or high temperature using water spray from a safe distance and remove them

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from the endangered area. Do not allow waste water from firefighting to enter drains and waterways. Waste water and residues after extinguishing must be removed and disposed of in accordance with applicable legal regulations.

Special protective equipment for firefighters: full fireproof protective clothing and self-contained breathing apparatus (SCBA).

SECTION 6. ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel: restrict access to the affected area until appropriate clean-up and removal measures have been implemented by personnel who have received adequate training in accident response. Remove all sources of ignition, sparks and open flames.

For emergency responders: use individual protection measures (see Section 8). Avoid contact with eyes, skin and clothing. Do not breathe vapors and mists. If the spill occurred indoors, ensure adequate ventilation. Remove all sources of ignition, do not smoke and extinguish fire if it occurs (see Section 5).

6.2. Environmental precautions

Avoid spreading of the spilled chemical, its runoff and contact with the soil, waterways, drains or sewers. Notify the competent authorities if there is pollution of the environment (soil, watercourses or sewage).

6.3. Methods and material for containment and cleaning up

Advice on how to contain a spill: if safe and possible, limit further spillage of the chemical by placing barriers and dikes around the spill area.

Advice on how to clean-up a spill: cover small spills with non-flammable, inert absorbent material (sand, earth, vermiculite) and collect in a suitable, closed and labeled container for disposal of this type of waste. Clean the contaminated area with water and a special detergent, then rinse with water. Collect large amounts of spilled chemical mechanically by pumping them out. Dispose of the collected content in accordance with applicable regulations. If necessary, provide the help of experts who deal with the sanitation of this type of accident.

Other information relating to spills and releases: not data available.

6.4. Reference to other sections

See Section 8 for information on personal protection measures.
See Section 13 for information on waste treatment and disposal.

SECTION 7. HANDLING AND STORAGE**7.1. Precautions for safe handling**

Precautions for safe handling: prevent the formation of vapors and mists in concentrations that are higher than the occupational exposure limits. Avoid breathing vapors and mists. Provide effective ventilation.

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Avoid contact with eyes, skin and clothing. Keep containers tightly closed when not in use.

Hygiene measures: observe safety measures at work, fire prevention and general hygiene measures. Do not eat, drink or smoke during handling. Before taking a break and after finishing work, wash your hands thoroughly. Remove contaminated clothing and protective equipment before entering eating areas. Wash soiled clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed and labeled containers, in a cool and well-ventilated place with a non-absorbent substrate, resistant to chemical. Store away from heat sources. Protect from direct sunlight and contamination by water. Keep away from strong oxidizing agents.

7.3. Specific end use(s)

Identified uses are listed in Subsection 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

The following data are available for mineral oil mist: TWA: 5 mg/m³; STEL: 10 mg/m³.

8.2. Exposure controls

Appropriate engineering controls: provide local exhaust or general ventilation in rooms where the chemical is stored and used. It is recommended that eyewash stations be available in the work area. Engineering control measures should always be given priority over personal protection measures.

Individual protection measures: wash hands, forearms and face thoroughly after handling chemicals, before eating, drinking, smoking and going to the toilet. Wash contaminated clothing before reuse. Contaminated materials should not be allowed to accumulate in the workplaces and should never be kept inside the pockets.

Personal protective equipment:

- *Eye/face protection*: use face protection or safety glasses as protection against splashing liquid chemical into the eyes and in cases of prolonged exposure (EN 166).
- *Skin protection*:
 - *Hand protection*: wear protective gloves that are resistant to chemicals and meet the requirements of the relevant standards (EN 374). The following materials are recommended: PVC, neoprene, viton, butyl rubber. Gloves must be periodically inspected and replaced in case of wear, perforation or contamination.
 - *Body protection*: wear a protective apron or suit made of chemical-resistant materials. Wear non-slip and oil-resistant safety shoes.

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- **Respiratory protection:** under normal conditions of use, no special respiratory protective equipment is required. In case of increased vapours / mist concentration in the working area or in case of inadequate ventilation, use an approved respirator equipped with a suitable filter (EN 14387, EN 141). If exposure levels cannot be determined or estimated with adequate confidence, or if, for any reason, oxygen deficiency is possible, only self-contained breathing apparatus should be used. The selection of respiratory protective equipment should be made on the basis of specific activities, levels and expected duration of exposure.
- **Thermal hazards:** no data available.

Environmental exposure controls: do not allow the chemical to enter the environment by applying appropriate control measures.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	no data available
Odour:	no data available
Melting point/freezing point:	no data available
Boiling point or initial boiling point and boiling range:	no data available
Flammability:	no data available
Lower and upper explosion limit:	no data available
Flash point:	232°C
Auto-ignition temperature:	no data available
Decomposition temperature:	no data available
pH:	no data available
Kinematic viscosity:	41,49 mm ² /s at 40°C 7,9 mm ² /s at 100°C
Solubility:	no data available
Partition coefficient n-octanol/water (log value):	no data available
Vapour pressure:	no data available
Density and/or relative density:	density: 841 kg/m ³ at 15°C (EN ISO 3675)
Relative vapour density:	no data available
Particle characteristics:	no data available

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Viscosity index: 165

Pour point: - 47°C

SECTION 10. STABILITY AND REACTIVITY**10.1. Reactivity**

The chemical is not reactive.

10.2. Chemical stability

The chemical is stable under recommended storage and handling conditions.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Avoid exposure to high temperatures, open flames, sparks and other sources of ignition, as well as storage and mixing with incompatible materials.

10.5. Incompatible materials

Strong oxidizing agents, flammable chemicals.

10.6. Hazardous decomposition products

Under the recommended conditions of storage and handling, hazardous decomposition products should not be produced.

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. Available data on the acute toxicity of the ingredients of the mixture are listed in the following table.

Product identifier	Chemical name	Acute toxicity
Index: 649-474-00-6 CAS: 64742-65-0 EC: 265-169-7 REACH: -	Distillates (petroleum), solvent-dewaxed heavy paraffinic	LD ₅₀ : > 5000 mg/kg (rat, oral) LD ₅₀ : > 2000 mg/kg (rabbit, dermal) LC ₅₀ /4h: > 5,53 mg/l (rat, inhalation)
Index: 649-469-00-9 CAS: 64742-56-9 EC: 265-159-2	Distillates (petroleum), solvent-dewaxed light paraffinic	LD ₅₀ : > 5000 mg/kg (rat, oral) LD ₅₀ : > 2000 mg/kg (rabbit, dermal) LC ₅₀ /4h: > 5,53 mg/l (rat, inhalation)

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REACH: -

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.

Information on likely routes of exposure: ingestion (swallowing), inhalation, skin/eye exposure.

Symptoms related to the physical, chemical and toxicological characteristics: if known, symptoms of exposure are listed in Subsection 4.2.

Delayed and immediate effects as well as chronic effects from short and long-term exposure: if known, the effects of exposure are listed in Subsection 4.2

Interactive effects: no data available.

Absence of specific data: no data available.

Mixtures: no data available.

Mixture versus substance information: no data available.

11.2. Information on other hazards

Endocrine disrupting properties: the mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

Other information: no data available.

SECTION 12. ECOLOGICAL INFORMATION**12.1. Toxicity**

Based on the available data, the classification criteria are not met. The chemical is not classified as dangerous to the environment.

Engine Oil 0W-20**12.2. Persistence and degradability**

No data available.

12.3. Bioaccumulative potential

Available data for the substances in mixture are listed in the table below.

Product identifier	Chemical name	Partition coefficient n-octanol/water (Log Kow)	Bioconcentration factor (BCF)
Index: 649-469-00-9 CAS: 64742-56-9 EC: 265-159-2 REACH: -	Distillates (petroleum), solvent-dewaxed light paraffinic	> 6 (literature data, potentially bioaccumulative)	no data available

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB in a concentration \geq 0,1 %.

12.6. Endocrine disrupting properties

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

12.7. Other adverse effects

No data available.

SECTION 13. DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Waste treatment methods: waste generation should be avoided or minimized whenever possible. For further disposal and treatment of contaminated packaging and unused chemical, contact an authorized operator. All waste disposal procedures must be in accordance with the requirements of environmental protection and applicable regulations.

Avoid discharge into the sewage system.

Waste treatment of contaminated packaging: the treatment and disposal of contaminated packaging must comply with the regulations in force. Empty containers should be recycled or disposed of in accordance with current regulations. Since empty containers may retain chemical residues, follow the warnings on the label.

Engine Oil 0W-20Regulations related to waste management:

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended.

SECTION 14. TRANSPORT INFORMATION

The chemical is not classified as dangerous according to the current regulations governing the transport of dangerous goods by road (ADR), rail (RID), sea (IMDG), air (ICAO TI) and inland waterways (ADN).

14.1. UN number or ID number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Mixture is environmentally hazardous (ADR / RID / ADN): NO.

Marine pollutant (IMDG): NO.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15. REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006, as amended

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COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for this mixture.

SECTION 16. OTHER INFORMATION

Indication of changes: not applicable; first edition (first version).

Abbreviations and acronyms:

CAS: Chemical Abstracts Service

CLP: Classification, labeling and packaging of substances and mixture

SCL: Specific Concentration Limit

ATE: Acute Toxicity Estimate

PBT: Persistent, Bioaccumulative and Toxic

vPvB: Very Persistent and Very Bioaccumulative

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

Asp. Tox. 1: Aspiration hazard, Category 1

Repr. 2: Reproductive toxicity, Category 2

TWA: Time Weighted Average

STEL: Short-Term Exposure Limit

LD₅₀: Median lethal dose

LC₅₀: Median lethal concentration

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Dangerous Goods

ICAO-TI: International Civil Aviation Organization - Technical Instruction

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: this mixture does not meet the criteria for classification in any hazard class.

Relevant H-statements (number and full text):

H304: May be fatal if swallowed and enters airways.



SAFETY DATA SHEET

according to the REACH Regulation (EC) 1907/2006
amended by Regulation (EU) 2020/878

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Version: 1.0

Date of compilation: 26.07.2024.

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H361f: Suspected of damaging fertility

Relevant EUH-statements (number and full text): not applicable.

Advice on any training appropriate for workers: taking into account the information from this safety sheet as well as all other relevant data, define and implement appropriate training for employees for each workplace.

The information contained in this safety data sheet is based on our knowledge and experience as of the date of the last version and describes the chemical from a safety perspective. As the use of the chemical is not under our direct control, it is the responsibility of the user to comply with applicable laws and measures related to hygiene and safety.