

## PRODUCT DATA SHEET

# 4T 20W40

4T 20W-40 is high performance conventional four-stroke motorcycle engine oils primarily intended for general use in all types of four-stroke motorcycles and engines.

4T 20W-40 combine highly refined, quality mineral oils and an advanced additive system to provide good engine cleanliness, good wear protection and corrosion protection.

## Properties

- Good corrosion protection protects critical engine componentsHelps keep engines clean for smoother operations
- Helps extend engine life
- Protects critical engine components
- Year round engine protection and performance

## Approvals and Specifications

- API SJ
- /MA2
- API SL
- API SM

TEST	METHOD	TYPICAL PROPERTIES
Density, g/cm <sup>3</sup> , at 15°C	ASTM D 1298	0,89
Kinematic Viscosity, cSt, at 40°C	ASTM D 445	167
Kinematic Viscosity, cSt, at 100°C	ASTM D 445	15
Viscosity Index	ASTM D 2270	170
Flash Point, °C, min	ASTM D 92	230
Pour Point, °C, max	ASTM D 97	-28

## 4T 20W40 Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 21/12/2023 Revision date: 19/11/2024 Supersedes version of: 06/01/2024 Version: 2.0

### Section 1. Identification

**Product name** 4T 20W-40  
**SDS #** 467519  
**Code** 467519-US65

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

**Product use** Motorcycle engine oil.  
For specific application advice see appropriate Technical Data Sheet or consult our company representative.

**Supplier** **FACO PETROL KİMYA SANAYİ DİŞ TİCARET LTD. ŞTİ.**  
Center Office: Siteler Mh. 492 Sk. No: 1/A My Vista Smart Aliağa/İZMİR/TÜRKİYE  
info@cosmomotoroil.com / www.cosmomotoroil.com  
Phone: +90 552 222 6766

#### **EMERGENCY HEALTH INFORMATION:**

Phone: +90 552 222 6766

#### **EMERGENCY SPILL INFORMATION:**

Phone: +90 552 222 6766

### Section 2. Hazards identification

**OSHA/HCS status** This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** Not classified.

#### GHS label elements

**Signal word** No signal word.

**Hazard statements** No known significant effects or critical hazards.

#### Precautionary statements

**General** Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**Prevention** Not applicable.

**Response** Not applicable.

**Storage** Not applicable.

**Disposal** Not applicable.

**Hazards not otherwise classified** Defatting to the skin.  
USED ENGINE OILS  
Used engine oil may contain hazardous components which have the potential to cause skin cancer.  
See Toxicological Information, section 11 of this Safety Data Sheet.

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
issue date: 21/12/2023 Revision date: 19/11/2024 Supersedes version of: 06/01/2024

**Substance/mixture**

Mixture

Highly refined base oil (IP 346 DMSO extract &lt; 3%). Proprietary performance additives.

Ingredient name	CAS number	%
Base oil - highly refined	Varies - See Key to abbreviations	≥90
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	≤3
Base oil - highly refined	Varies - See Key to abbreviations	≤3

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

<b>Eye contact</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses. Get medical attention.
<b>Skin contact</b>	Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.
<b>Inhalation</b>	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
<b>Ingestion</b>	Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
<b>Protection of first-aiders</b>	No action shall be taken involving any personal risk or without suitable training.

### Most important symptoms/effects, acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

### Indication of immediate medical attention and special treatment needed, if necessary

<b>Notes to physician</b>	Treatment should in general be symptomatic and directed to relieving any effects.
<b>Specific treatments</b>	No specific treatment.

## Section 5. Fire-fighting measures

### Extinguishing media

<b>Suitable extinguishing media</b>	In case of fire, use foam, dry chemical or carbon dioxide extinguisher or spray.
<b>Unsuitable extinguishing media</b>	Do not use water jet.

### Specific hazards arising from the chemical

In a fire or if heated, a pressure increase will occur and the container may burst.

#### Hazardous combustion products

Combustion products may include the following:  
carbon oxides (CO, CO<sub>2</sub>) (carbon monoxide, carbon dioxide)

### Special protective actions for fire-fighters

No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.

### Special protective equipment for fire-fighters

Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

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

issue date: 21/12/2023 Revision date: 19/11/2024 Supersedes version of: 06/01/2024

#### Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. Floors may be slippery; use care to avoid falling.
<b>For emergency responders</b>	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
<b>Environmental precautions</b>	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

#### Methods and materials for containment and cleaning up

<b>Small spill</b>	Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
<b>Large spill</b>	Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

#### Precautions for safe handling

<b>Protective measures</b>	Put on appropriate personal protective equipment (see Section 8).
<b>Advice on general occupational hygiene</b>	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

#### Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Store and use only in equipment/containers designed for use with this product. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

#### **Not suitable**

Prolonged exposure to elevated temperature.

## Section 8. Exposure controls/personal protection

#### Control parameters Occupational exposure limits

Base oil - highly refined

#### **ACGIH TLV (United States).**

TWA: 5 mg/m<sup>3</sup> 8 hours. Issued/Revised: 11/2009 Form: Inhalable fraction

#### **OSHA PEL (United States).**

TWA: 5 mg/m<sup>3</sup> 8 hours. Issued/Revised: 6/1993

Distillates (petroleum), solvent-dewaxed heavy paraffinic

#### **ACGIH TLV (United States).**

TWA: 5 mg/m<sup>3</sup> 8 hours. Issued/Revised: 11/2009 Form: Inhalable fraction

#### **OSHA PEL (United States).**

TWA: 5 mg/m<sup>3</sup> 8 hours. Issued/Revised: 6/1993 Base oil - highly refined **ACGIH TLV (United States).**

TWA: 5 mg/m<sup>3</sup> 8 hours. Issued/Revised

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

issue date: 21/12/2023 Revision date: 19/11/2024 Supersedes version of: 06/01/2024

#### **Appropriate engineering controls**

All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained. Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. For further information contact your national organisation for standards.

Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits.

The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal protective equipment are compatible.

#### **Environmental exposure controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### **Individual protection measures**

##### **Hygiene measures**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

##### **Eye/face protection**

Safety glasses with side shields.

##### **Skin protection**

##### **Hand protection**

Wear protective gloves if prolonged or repeated contact is likely. Wear chemical resistant gloves. Recommended: Nitrile gloves. The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

##### **Body protection**

Use of protective clothing is good industrial practice.

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Cotton or polyester/cotton overalls will only provide protection against light superficial contamination that will not soak through to the skin. Overalls should be laundered on a regular basis. When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required.

##### **Other skin protection**

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

##### **Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Safety procedures should be developed for each intended application. Respiratory protection equipment should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

<b>Appearance</b>	Liquid.
<b>Physical state</b>	Brown.
<b>Color</b>	Not available.
<b>Odor</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point</b>	
<b>Boiling point</b>	Not available.
<b>Flash point</b>	Closed cup: >180°C (>356°F) [Pensky-Martens.]
<b>Pour point</b>	-30 °C
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable. Based on - Physical state Not available.
<b>Lower and upper explosive (flammable) limits</b>	
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Density Solubility</b>	<1000 kg/m <sup>3</sup> (<1 g/cm <sup>3</sup> ) at 15°C
<b>Partition coefficient: n-octanol/water</b>	insoluble in water.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Kinematic: 128 mm <sup>2</sup> /s (128 cSt) at 40°C Kinematic: 14 to 14.8 mm <sup>2</sup> /s (14 to 14.8 cSt) at 100°C

## Section 10. Stability and reactivity

<b>Reactivity</b>	No specific test data available for this product. Refer to Conditions to avoid and Incompatible materials for additional information.
<b>Chemical stability</b>	The product is stable.
<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerization will not occur.
<b>Conditions to avoid</b>	Avoid all possible sources of ignition (spark or flame).
<b>Incompatible materials</b>	Reactive or incompatible with the following materials: oxidizing materials.
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Aspiration hazard

Name	Result
Distillates (petroleum), solvent-dewaxed heavy paraffinic	ASPIRATION HAZARD - Category 1
Base oil - highly refined	ASPIRATION HAZARD - Category 1

#### Information on the likely routes of exposure

#### Potential acute health effects

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

issue date: 21/12/2023 Revision date: 19/11/2024 Supersedes version of: 06/01/2024



Eye contact	No known significant effects or critical hazards.
Skin contact	No known significant effects or critical hazards.
Inhalation	Vapor inhalation under ambient conditions is not normally a problem due to low vapor pressure.
Ingestion	No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	No specific data.
Skin contact	Adverse symptoms may include the following: irritation dryness cracking
Inhalation	No specific data.
Ingestion	No specific data.

#### Delayed and immediate effects and also chronic effects from short and long term exposure

##### Short term exposure

Potential immediate effects	Not available.
Potential delayed effects	Not available.

##### Long term exposure

Potential immediate effects	Not available.
Potential delayed effects	Not available.

##### Potential chronic health effects

General	USED ENGINE OILS Combustion products resulting from the operation of internal combustion engines contaminate engine oils during use. Used engine oil may contain hazardous components which have the potential to cause skin cancer. Frequent or prolonged contact with all types and makes of used engine oil must therefore be avoided and a high standard of personal hygiene maintained.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.

#### Numerical measures of toxicity

##### Acute toxicity estimates

Not available.

## Section 12. Ecological information

##### Toxicity

No testing has been performed by the manufacturer.

##### Persistence and degradability

Expected to be biodegradable.

##### Bioaccumulative potential

This product is not expected to bioaccumulate through food chains in the environment.

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

issue date: 21/12/2023 Revision date: 19/11/2024 Supersedes version of: 06/01/2024

#### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>)

Not available.

Mobility

Spillages may penetrate the soil causing ground water contamination.

Other adverse effects

No known significant effects or critical hazards.

Other ecological information

Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

## Section 13. Disposal considerations

#### Disposal methods

The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT Classification	TDG Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-
Transport hazard class(es)	-	-	-	-
Packing group	-	-	-	-
Environmental hazards	No.	No.	No.	No.
Additional information	-	-	-	-

Special precautions for user  
Transport in bulk according to Annex II of MARPOL and the IBC Code

Not available.

Not available.

## Section 15. Regulatory information

#### U.S. Federal regulations

United States inventory (TSCA 8b)

All components are active or exempted.

#### SARA 302/304

#### Composition/information on ingredients

No products were found.

#### SARA 311/312

Classification

Not applicable.

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

issue date: 21/12/2023 Revision date: 19/11/2024 Supersedes version of: 06/01/2024



## SARA 313

### Form R - Reporting requirements

This product does not contain any hazardous ingredients at or above regulated thresholds.

### Supplier notification

This product does not contain any hazardous ingredients at or above regulated thresholds.

## State regulations

### Massachusetts

The following components are listed: OIL MIST, MINERAL

### New Jersey

None of the components are listed.

### Pennsylvania

None of the components are listed.

### California Prop. 65

**⚠ WARNING:** This product can expose you to chemicals including Benzene, Lead, Cadmium, Lead and Benzene, which are known to the State of California to cause cancer and birth defects or other reproductive harm. This product can expose you to chemicals including Nickel, which is known to the State of California to cause cancer, and Ethylene Glycol, which is known to the State of California to cause birth defects or other reproductive harm.

## Other regulations

### Australia inventory (AICS)

All components are listed or exempted.

### Canada inventory

All components are listed or exempted.

### China inventory (IECSC)

All components are listed or exempted.

### Japan inventory (ENCS)

All components are listed or exempted.

### Korea inventory (KECI)

All components are listed or exempted.

### Philippines inventory (PICCS)

All components are listed or exempted.

### Taiwan Chemical Substances Inventory (TCSI)

Not determined.

### REACH Status

For the REACH status of this product please consult your company contact, as identified in Section 1.

## Section 16. Other information

### National Fire Protection Association (U.S.A.)



## History

### Date of issue/Date of revision

09/11/2024.

### Date of previous issue

No previous validation.

### Prepared by

Product Stewardship

### Key to abbreviations

ACGIH = American Conference of Industrial Hygienists  
 ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor  
 CAS Number = Chemical Abstracts Service Registry Number  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 OEL = Occupational Exposure Limit SDS = Safety Data Sheet  
 STEL = Short term exposure limit TWA = Time weighted average UN = United Nations

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

issue date: 21/12/2023 Revision date: 19/11/2024 Supersedes version of: 06/01/2024

UN Number = United Nations Number, a four digit number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods.

Varies = may contain one or more of the following 64741-88-4, 64741-89-5, 64741-95-3, 64741-96-4, 64742-01-4, 64742-44-5, 64742-45-6, 64742-52-5, 64742-53-6, 64742-54-7, 64742-55-8, 64742-56-9, 64742-57-0, 64742-58-1, 64742-62-7, 64742-63-8, 64742-65-0, 64742-70-7, 72623-85-9, 72623-86-0, 72623-87-1

Indicates information that has changed from previously issued version.

#### Notice to reader

*All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.*

*The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from BP Group.*

*It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The BP Group shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken. You can contact the BP Group to ensure that this document is the most current available. Alteration of this document is strictly prohibited.*

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

issue date: 21/12/2023 Revision date: 19/11/2024 Supersedes version of: 06/01/2024