



# SAFETY DATA SHEET

**Gulf Formula Euro 5W-40**

**01226/5W-40/1US**

**Issuing Date** 08-19-2026

**Revision Date** 08-19-2026

**Version** 1

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** Gulf Formula Euro 5W-40  
**Product Code(s)** 01226/5W-40/1US

### Recommended use of the chemical and restrictions on use

**Recommended use** Engine oil  
**Uses advised against** Any other purpose.

### Details of the supplier of the safety data sheet

#### **Manufacturer, Importer, Supplier**

**Supplier** Gulf Lubricants Inc.  
1800 Hughes Landing Boulevard. Suite 360  
The Woodlands  
Texas 77380  
Tel : +1 (832) 585-1056  
SDS@gulfoilltd.com

**Emergency Telephone Number** (US & Canada) +1 866 519 4752 (Code 335883)

## SECTION 2: HAZARDS IDENTIFICATION

### Classification

This product is not considered hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200) / Canadian WHMIS 2015.

### Label elements

**Signal word**  
None

**Hazard statements**  
None

### Precautionary statements

**Precautionary Statements - Prevention**

Not applicable

**Precautionary Statements - Response**

Not applicable

**Precautionary Statements - Storage**

Not applicable

**Precautionary Statements - Disposal**

Not applicable

**Hazards not otherwise classified (HNOC)****Health  
Physical**

Not Applicable.

Not Applicable.

**Other Information****Other hazards**

The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration

The product does not contain any substance(s) classified as endocrine disruptor above the threshold of declaration

The product does NOT contain component(s) that meet the 'definition' of per & poly fluoroalkyl substance (PFAS) per the US EPA.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

This product is a mixture. Health hazard information is based on its ingredients.

| Chemical name                                             | CAS No.    | Weight-%  |
|-----------------------------------------------------------|------------|-----------|
| Distillates (petroleum), hydrotreated heavy paraffinic    | 64742-54-7 | 65% - 85% |
| Highly refined base oil (Viscosity >20.5 cSt @40°C)       | -          | 7% - 13%  |
| Distillates (petroleum), solvent-refined heavy paraffinic | 64741-88-4 | 3% - 7%   |
| Ethylene-propylene polymer                                | 9010-79-1  | 1% - 5%   |

The exact percentage (concentration) of composition has been withheld as a trade secret

Product containing mineral oil with less than 3% DMSO extract as measured by IP 346. The highly refined base oil may be described by one or more of the following generic CAS identifiers: 64742-54-7, 64742-65-0, 64742-52-5, 64742-53-6, 64742-62-7, 64742-57-0, 64742-01-4, 64741-88-4, 64741-96-4, 64741-97-5, 64742-55-8, 64742-56-9, 64741-89-5, 8042-47-5. See Section 15 for additional information on base oils.

**SECTION 4: FIRST AID MEASURES****Description of first aid measures****General advice**

If symptoms persist, call a physician.

**Inhalation**

Remove to fresh air.

**Skin contact**

Wash off immediately with soap and plenty of water. Take off contaminated clothing and wash before reuse.

**Eye contact**

Keep eye wide open while rinsing. Rinse thoroughly with plenty of water, also under the

eyelids.

**Ingestion** Clean mouth with water. Do not induce vomiting without medical advice.

**Self-protection of the first aider** Use personal protective equipment as required.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** None known.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## SECTION 5: FIRE FIGHTING MEASURES

**Extinguishing media**

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use: Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam. Water spray or fog. Cool containers with flooding quantities of water until well after fire is out.

**Unsuitable extinguishing media**

Do not use straight streams. Do not scatter spilled material with high pressure water streams.

**Special hazards arising from the substance or mixture**

**Specific hazards arising from the chemical**

Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire and/or explosion do not breathe fumes. The product is insoluble and floats on water.

**Hazardous combustion products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

**Advice for firefighters**

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

**Personal precautions** Remove all sources of ignition. Ensure adequate ventilation. Extremely slippery when spilled.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

**Methods and material for containment and cleaning up**

**Methods for containment** Dike to collect large liquid spills.

**Methods for cleaning up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**Reference to other sections**

See also section 8/12/13

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice.

**General hygiene considerations** When using do not eat, drink or smoke. Take off contaminated clothing and wash before reuse.

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

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Keep cool. Protect from sunlight. Keep away from open flames, hot surfaces and sources of ignition.

**Incompatible materials** Oxidizing agent.

**Specific end use(s)**

Engine oil

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control Parameters**

**Exposure Guidelines**

| Chemical name                                                        | ACGIH TLV                      | OSHA PEL                    | NIOSH IDLH | AIHA WEEL |
|----------------------------------------------------------------------|--------------------------------|-----------------------------|------------|-----------|
| Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7    | 5 mg/m <sup>3</sup> as mist    | 5 mg/m <sup>3</sup> as mist |            |           |
| Highly refined base oil (Viscosity >20.5 cSt @40°C)                  | 5 mg/m <sup>3</sup> (oil mist) | 5 mg/m <sup>3</sup> as mist |            |           |
| Distillates (petroleum), solvent-refined heavy paraffinic 64741-88-4 | 5 mg/m <sup>3</sup> as mist    | 5 mg/m <sup>3</sup> as mist |            |           |

**Exposure controls**

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal protective equipment</b>   | Engineering controls should be considered as the first line of protection against adverse exposure to harmful substances, Administrative controls and PPE should be used in the absence of engineering controls or as supplemental controls where engineering controls are insufficient in reducing specific exposures to an acceptable level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Eye/Face Protection</b>             | Safety glasses with side-shields.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Hand Protection</b>                 | For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn. The following glove type may be suitable for handling this product: Protective gloves complying with EN 374.<br><b>Nitrile rubber</b> <i>Glove thickness =&gt; 0.38 mm Break through time =&gt; 480 min</i><br><b>Butyl rubber</b> <i>Glove thickness =&gt; 0.64 mm Break through time =&gt; 480 min</i><br>Glove material suitability will vary depending on specific use conditions. Consideration should be given to variables such as operational characteristics, anticipated contact time, task requirements and other factors relevant to the selection of PPE. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Any specific glove information provided is based on published literature and glove manufacturer data. Barrier creams may help to protect the exposed areas of skin. Barrier creams should not be applied after exposure has occurred. Gloves should be replaced regularly and if there is any sign of damage to the glove material. |
| <b>Skin and body protection</b>        | Long sleeved clothing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Respiratory protection</b>          | No special protective equipment required. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Hygiene measures</b>                | Avoid contact with skin, eyes and clothing. Keep away from food, drink and animal feeding stuffs. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Environmental Exposure Controls</b> | Avoid release to the environment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Thermal hazards</b>                 | None under normal use conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                                         |                   |                       |                |
|-----------------------------------------|-------------------|-----------------------|----------------|
| <b>Physical state</b>                   | Liquid            | <b>Appearance</b>     | clear Amber    |
| <b>Odor</b>                             | Hydrocarbon-like  | <b>Odor threshold</b> | Not Determined |
| <u>Property</u>                         | <u>Values</u>     | <u>Remarks</u>        |                |
| pH                                      |                   |                       |                |
| Melting point / freezing point          |                   |                       |                |
| Initial boiling point and boiling range |                   |                       |                |
| Flash point                             | 230 °C            | ASTM D 92             |                |
| Evaporation rate                        |                   |                       |                |
| Flammability                            | Not Determined    |                       |                |
| Flammability Limit in Air               |                   |                       |                |
| Upper flammability or explosive limits  |                   |                       |                |
| Lower flammability or explosive limits  | Not applicable    |                       |                |
| Vapor pressure                          | No data available |                       |                |
| Relative vapor density                  | No data available |                       |                |

|                           |                    |
|---------------------------|--------------------|
| Relative density          | 0.8524             |
| Solubility(ies)           | Insoluble in water |
| Partition coefficient     | Not determined     |
| Autoignition temperature  | Not Determined     |
| Decomposition temperature |                    |
| Kinematic viscosity       |                    |
| Explosive properties      | Not applicable     |
| Oxidizing Properties      | Not applicable     |

**Other Information**

|                              |                  |            |
|------------------------------|------------------|------------|
| Viscosity, kinematic (100°C) | 84.7 cSt @ 100°C | ASTM D 445 |
| Pour Point                   | Not Determined   |            |
| VOC Content (ASTM E-1868-10) | Not Determined   |            |
| VOC content                  | Not Determined   |            |

**SECTION 10: STABILITY AND REACTIVITY****Reactivity**

None under normal use conditions

**Chemical stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

None under normal use conditions

**Conditions to avoid**

Keep away from open flames, hot surfaces and sources of ignition, Extremes of temperature and direct sunlight

**Incompatible materials**

Oxidizing agent

**Hazardous decomposition products**

Incomplete combustion and thermolysis produces potentially toxic gases such as carbon monoxide and carbon dioxide

**SECTION 11: TOXICOLOGICAL INFORMATION****Product Information - Principle Routes of Exposure**

|              |                                               |
|--------------|-----------------------------------------------|
| Inhalation   | No known effect based on information supplied |
| Eye contact  | No known effect based on information supplied |
| Skin contact | No known effect based on information supplied |
| Ingestion    | No known effect based on information supplied |

**Acute toxicity - Product Information**

Product does not present an acute toxicity hazard based on known or supplied information

**Acute toxicity - Component Information**

| Chemical name                                                        | Oral LD50            | Dermal LD50             | Inhalation LC50                      |
|----------------------------------------------------------------------|----------------------|-------------------------|--------------------------------------|
| Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7    | > 15 g/kg ( Rat )    | > 5000 mg/kg ( Rabbit ) |                                      |
| Highly refined base oil (Viscosity >20.5 cSt @40°C)<br>-             | >2000 mg/kg          | >2000 mg/kg             | >5 mg/L                              |
| Distillates (petroleum), solvent-refined heavy paraffinic 64741-88-4 | > 5000 mg/kg ( Rat ) | > 5000 mg/kg ( Rabbit ) | > 5530 mg/m <sup>3</sup> ( Rat ) 4 h |

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage / eye irritation** Based on available data, the classification criteria are not met.

**Sensitization****Respiratory Sensitization**

Based on available data, the classification criteria are not met.

**Skin sensitization**

Based on available data, the classification criteria are not met.

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

There are no known carcinogenic chemicals in this product.

| Chemical name                                                        | ACGIH                                       | IARC                                                           | NTP        | OSHA |
|----------------------------------------------------------------------|---------------------------------------------|----------------------------------------------------------------|------------|------|
| Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7    | A4 – Not Classifiable as a Human Carcinogen | Group 3 – Not classifiable as to carcinogenicity to humans     | Not listed |      |
| Highly refined base oil (Viscosity >20.5 cSt @40°C)<br>-             | A4 – Not Classifiable as a Human Carcinogen | Group 3 – Not classifiable as to carcinogenicity to humans     | Not listed |      |
| Distillates (petroleum), solvent-refined heavy paraffinic 64741-88-4 | A4 – Not classifiable as a human carcinogen | Group 3 – Not classifiable as to its carcinogenicity to humans | Not listed |      |

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**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.

**Other adverse effects** No information available.

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity**

No special environmental measures are necessary

| Chemical name                                             | Algae/aquatic plants | Fish                                       | Crustacea                            |
|-----------------------------------------------------------|----------------------|--------------------------------------------|--------------------------------------|
| Distillates (petroleum), hydrotreated heavy paraffinic    | -                    | 5000: 96 h Oncorhynchus mykiss mg/L LC50   | 1000: 48 h Daphnia magna mg/L EC50   |
| Highly refined base oil (Viscosity >20.5 cSt @40°C)       | >100: 72 h mg/L EC50 | >100: 96 h mg/L LC50                       | >100: 48 h mg/L EC50                 |
| Distillates (petroleum), solvent-refined heavy paraffinic | -                    | LC50: >5000mg/L (96h, Oncorhynchus mykiss) | EC50: >1000mg/L (48h, Daphnia magna) |
| Ethylene-propylene polymer                                | -                    | -                                          | -                                    |

**Persistence and degradability** The product is not readily biodegradable, but it can be degraded by micro-organisms, it is regarded as being inherently biodegradable.

**Bioaccumulation** No information available.

**Mobility** The product is insoluble and floats on water. Is not likely mobile in the environment due its low water solubility.

**Other adverse effects** No information available

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Waste Disposal Methods** Should not be released into the environment. Dispose of in accordance with federal, state and local regulations.

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Observe all label precautions until container is cleaned, reconditioned or destroyed.

### SECTION 14: TRANSPORT INFORMATION

**DOT** Not regulated

**TDG** Not regulated

**MEX** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

### SECTION 15: REGULATORY INFORMATION

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

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) / Canadian WHMIS 2015

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

|                                          |    |
|------------------------------------------|----|
| <i>Acute health hazard</i>               | No |
| <i>Chronic Health Hazard</i>             | No |
| <i>Fire hazard</i>                       | No |
| <i>Sudden Release of Pressure Hazard</i> | No |
| <i>Reactive Hazard</i>                   | No |

**Clean Water Act**

This product contains petroleum oil components. These components are not specifically identified by CAS number as CWA hazardous substances or priority pollutants in the federal lists reviewed. However, releases or wastewater containing the product may be subject to applicable CWA/NPDES requirements, including controls for oil and grease. A discharge of oil may be reportable if it causes a film or sheen upon, or discoloration of, the surface of the water or adjoining shorelines, or causes a sludge or emulsion to be deposited beneath the surface of the water or upon adjoining shorelines.

**CERCLA**

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this regulation, Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations****SCAQMD Rule 1144**

This product has not been tested for VOC content by the ASTM E-1868-10 method and is not approved for sale or distribution in the SCAQM District of California if the product is used as a metal forming, metal removal, metal treating, metal protection fluid or as a direct-contact lubricant.

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**Canada****CEPA Toxic substances list: Schedule 1**

Not applicable

**Prohibition of Certain Toxic Substances Regulations, 2012 (SOR/2012-285)**

Not applicable

**International Regulations****The Montreal Protocol on Substances that Deplete the Ozone Layer**

Not applicable

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**The Stockholm Convention on Persistent Organic Pollutants**

Not applicable

**The Rotterdam Convention**

Not applicable

**International Inventories****TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

All ingredients are on the inventory or exempt from listing

**Other Information**

The highly refined base oil (Viscosity >20.5 cSt @40°C) contains one or more substance with the following CAS/EC numbers:

| Chemical name                                                                        | CAS No.    |
|--------------------------------------------------------------------------------------|------------|
| Distillates (petroleum), solvent-refined heavy paraffinic                            | 64741-88-4 |
| Distillates (petroleum), solvent-refined light paraffinic                            | 64741-89-5 |
| Residual oils (petroleum), solvent deasphalted                                       | 64741-95-3 |
| Distillates (petroleum), solvent-refined heavy naphthenic                            | 64741-96-4 |
| Distillates (petroleum), solvent-refined light naphthenic                            | 64741-97-5 |
| Residual oils (petroleum), solvent-refined                                           | 64742-01-4 |
| Distillates (petroleum), hydrotreated heavy naphthenic                               | 64742-52-5 |
| Distillates (petroleum), hydrotreated light naphthenic                               | 64742-53-6 |
| Distillates (petroleum), hydrotreated heavy paraffinic                               | 64742-54-7 |
| Distillates (petroleum), hydrotreated light paraffinic                               | 64742-55-8 |
| Distillates (petroleum), solvent-dewaxed light paraffinic                            | 64742-56-9 |
| Residual oils (petroleum), hydrotreated                                              | 64742-57-0 |
| Lubricating oils (petroleum), hydrotreated spent                                     | 64742-58-1 |
| Residual oils (petroleum), solvent-dewaxed                                           | 64742-62-7 |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic                            | 64742-65-0 |
| Paraffin oils (petroleum), catalytic dewaxed heavy                                   | 64742-70-7 |
| Paraffin oils (petroleum), catalytic dewaxed light                                   | 64742-71-8 |
| Lubricating oils (petroleum), C>25, hydrotreated bright stock-based                  | 72623-83-7 |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity | 72623-85-9 |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based                 | 72623-86-0 |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based                 | 72623-87-1 |
| Lubricating oils                                                                     | 74869-22-0 |
| White mineral oil (petroleum)                                                        | 8042-47-5  |

**SECTION 16: OTHER INFORMATION****NFPA**

Health hazards 0

Flammability 1

Instability 0

Special hazards -

**Key or legend to abbreviations and acronyms used in the safety data sheet**

ACGIH - American Conference of Governmental Industrial Hygienists

Derived No Effect Level (DNEL)

International Air Transport Association (IATA)

International Maritime Dangerous Goods (IMDG)

Persistent, Bioaccumulative, and Toxic (PBT) Substances

STOT RE - Specific target organ systemic toxicity (repeated exposure)

STOT SE - Specific target organ systemic toxicity (Single exposure)

IARC (International Agency for Research on Cancer)

NTP: (National Toxicity Program)

OSHA: (Occupational Safety & Health Administration)

STEL - Short Term Exposure Limit

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**TWA -**

Time-Weighted Average

VOC - Volatile organic compounds

**Revision date**

08-19-2026

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**