# Ground Force 10W-40

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.
SDS Reference Number: 21580
Issue date: 30/03/2023 Revision date: 09/10/2026 Supersedes version of: 30/03/2023 Version: 1.1

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

### 1.1. Product identifier

| | | |
|---|---|---|
| Product form | : | Mixture |
| Product name | : | Ground Force 10W-40 |
| Product code | : | 7450 |
| Type of product | : | Engine oil |
| Product group | : | Trade product |

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

#### Relevant identified uses

| | | |
|---|---|---|
| Main use category | : | Professional use,Consumer use |
| Use of the substance/mixture | : | Lubricants and additives |
| Function or use category | : | Lubricants and additives |

#### Uses advised against

| | | |
|---|---|---|
| Restrictions on use | : | No specific uses advised against. Use only for the intended applications |

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

**Manufacturer**
Morris Lubricants
Castle Foregate
SY1 2EL Shrewsbury, Shropshire
United Kingdom
T +44 (0) 1743 232200
sds@morris-lubricants.co.uk

### 1.4. Emergency telephone number

| | | |
|---|---|---|
| Emergency number | : | +44 (0) 1743 232200<br>08.45 - 17.00 GMT |

| Country/Area | Organisation | Emergency number |
|---|---|---|
| United Kingdom | NHS 111/NHS 24/NHS Direct. | 111<br>0845 4647<br>or call a doctor |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

#### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

| | | |
|---|---|---|
| Precautionary statements (CLP) | : | P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
| EUH-statements | : | EUH210 - Safety data sheet available on request. |

### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

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 substance(s) are 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 %

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| Distillates (petroleum), hydrotreated heavy paraffinic substance with a Community workplace exposure limit | CAS-No.: 64742-54-7<br>EC-No.: 265-157-1<br>EC Index-No.: 649-467-00-8<br>REACH-no: 01-2119484627-25, UK-01-1759217276-5 | ≥ 50 – < 70 | Not classified |
| Distillates (petroleum), hydrotreated heavy paraffinic | CAS-No.: 64742-54-7<br>EC-No.: 265-157-1<br>EC Index-No.: 649-467-00-8<br>REACH-no: 01-2119484627-25, UK-01-1759217276-5 | ≥ 10 – < 30 | Asp. Tox. 1, H304 |
| Highly refined mineral oil (C15 - C50)<br>substance with national workplace exposure limit(s) (BE, BG, CZ, DK, FI, GB, GR, HU, IE, LT, LV, NL, PL, PT, RO, SE, SK, IS, NO, CH) | - | ≥ 10 – < 30 | Not classified |

Comments : A petroleum product. DMSO extract < 3 % weight (IP 346)
Mineral oil contained may be described by one or more of the following:
EC No. 265-157-1,Registration No. 01-2119484627-25 (UK-01-1759217276-5),Distillates (petroleum), hydrotreated heavy paraffinic;
EC No. 265-169-7,Registration No. 01-2119471299-27 (UK-01-0119695008-1),Distillates (petroleum), solvent-dewaxed heavy paraffinic;
EC No. 265-158-7,Registration No. 01-2119487077-29 (UK-01-6871927170-9),Distillates (petroleum), hydrotreated light paraffinic;
EC No. 265-159-2,Registration No. 01-2119480132-48 (UK-01-6953758963-7),Distillates (petroleum), solvent-dewaxed light paraffinic

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 general : If you feel unwell, seek medical advice.

First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Take off contaminated clothing and wash it before reuse. Gently wash with plenty of soap and water.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Get medical advice/attention if you feel unwell. Do NOT induce vomiting.

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

Symptoms/effects after inhalation : None under normal use. Inhalation may cause irritation (cough, short breathing, difficulty in breathing).

Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact : May cause slight irritation.

Symptoms/effects after ingestion : Although not classified, the product contains mineral oil. If aspirated into the lungs e.g. through vomiting after ingestion, admit to hospital immediately.

### 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 : Dry chemical, CO2, dry sand, or alcohol-resistant foam.

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon monoxide. Carbon dioxide.

### 5.3. Advice for firefighters

Precautionary measures fire : Keep container closed when not in use.

Firefighting instructions : Prevent fire fighting water from entering the environment. Use water spray or fog for cooling exposed containers.

Protection during firefighting : Self-contained breathing apparatus.

## SECTION 6: Accidental release measures

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

General measures : Clean up any spills as soon as possible, using an absorbent material to collect it.

#### For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Evacuate unnecessary personnel. Caution : this product can cause the floor to be very slippery.

### 6.2. Environmental precautions

Do not allow to enter drains or water courses. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Clear up rapidly by scoop or vacuum. Collect leaking and spilled liquid in sealable containers as far as possible. Absorb remaining liquid with sand or inert absorbent and remove to safe place. Notify authorities if product enters sewers or public waters. This material and its container must be disposed of in a safe way, and as per local legislation.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

Precautions for safe handling : Do not eat, drink or smoke when using this product.

Hygiene measures : Wear personal protective equipment. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

| | | |
|---|---|---|
| Technical measures | : | Store in a well-ventilated place. Keep container tightly closed. |
| Storage conditions | : | Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep container closed when not in use. Store in a dry place. |
| Incompatible products | : | Oxidizing agent. Strong acids. Strong bases. |
| Storage area | : | Store in a well-ventilated place. |
| Special rules on packaging | : | Store in a closed container. |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### National occupational exposure and biological limit values

| Highly refined mineral oil (C15 - C50) | |
|---|---|
| **United Kingdom - Occupational Exposure Limits** | |
| WEL TWA (OEL TWA) | 5 mg/m³ |
| WEL STEL (OEL STEL) | 10 mg/m³ |
| Regulatory reference | EU OEL |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| **EU - Indicative Occupational Exposure Limit (IOEL)** | |
| IOEL TWA | 5 mg/m³ |

### 8.2. Exposure controls

#### Appropriate engineering controls

**Appropriate engineering controls:**

Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

#### Personal protection equipment

**Personal protective equipment symbol(s):**



#### Eye and face protection

**Eye protection:**

Chemical goggles or face shield

#### Skin protection

**Skin and body protection:**

Wear protective clothing

**Hand protection:**

Gloves

#### Respiratory protection

**Respiratory protection:**

No respiratory protection needed under normal use conditions

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Colour | : | amber. |
| Appearance | : | Liquid. |
| Odour | : | mild. |
| Odour threshold | : | Not available |
| Melting point | : | Not available |
| Freezing point | : | Not available |
| Boiling point | : | > 320 °C |
| Flammability | : | Not flammable,Heating may cause a fire. |
| Lower explosion limit | : | Not available |
| Upper explosion limit | : | Not available |
| Flash point | : | 208 °C PMCC |
| Auto-ignition temperature | : | Not available |
| Decomposition temperature | : | Not available |
| pH | : | Not available |
| Viscosity, kinematic @ 40°C | : | 89.4 mm²/s |
| Solubility | : | Material nearly insoluble in water. Soluble in organic solvents. |
| Partition coefficient n-octanol/water (Log Kow) | : | Not available |
| Vapour pressure | : | Not available |
| Vapour pressure at 50°C | : | Not available |
| Density | : | Not available |
| Relative density | : | 0.87 |
| Relative vapour density at 20°C | : | Not available |
| Particle characteristics | : | Not applicable |

### 9.2. Other information

#### Other safety characteristics

| | | |
|---|---|---|
| Additional information | : | The product is a complex mixture, the majority of which would not be classed as a VOC. However it cannot be discounted that trace or low levels of VOCs may be present. |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Extremely high or low temperatures. Moisture.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, 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 (oral) | : | Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (dermal) | : | Not classified |
| Acute toxicity (inhalation) | : | Not classified |
| Skin corrosion/irritation | : | Not classified (Based on available data, the classification criteria are not met) |
| Additional information | : | Repeated exposure may cause skin dryness or cracking. |
| Serious eye damage/irritation | : | Not classified (Based on available data, the classification criteria are not met) |
| Respiratory or skin sensitisation | : | Not classified (Based on available data, the classification criteria are not met) |
| Germ cell mutagenicity | : | Not classified (Based on available data, the classification criteria are not met) |
| Carcinogenicity | : | Not classified |
| Additional information | : | This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP346 test |
| Reproductive toxicity | : | Not classified (Based on available data, the classification criteria are not met) |
| STOT-single exposure | : | Not classified (Based on available data, the classification criteria are not met) |
| STOT-repeated exposure | : | Not classified (Based on available data, the classification criteria are not met) |
| Aspiration hazard | : | Not classified |
| Additional information | : | Although not classified, the product contains mineral oil. If aspirated into the lungs e.g. through vomiting after ingestion, admit to hospital immediately. |

| Ground Force 10W-40 | |
|---|---|
| Viscosity, kinematic @ 40°C | 89.4 mm²/s |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| Viscosity, kinematic @ 40°C | 30 mm²/s |

### 11.2. Information on other hazards

**Other information**

| | | |
|---|---|---|
| Potential adverse human health effects and symptoms | : | Based on available data, the classification criteria are not met |

## SECTION 12: Ecological information

### 12.1. Toxicity

| | | |
|---|---|---|
| Hazardous to the aquatic environment, short–term (acute) | : | Not classified |
| Hazardous to the aquatic environment, long–term (chronic) | : | Not classified |
| Additional information | : | Based on available data, the classification criteria are not met. |

### 12.2. Persistence and degradability

| Ground Force 10W-40 | |
|---|---|
| Persistence and degradability | Not established. |

| Highly refined mineral oil (C15 - C50) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to a hazardous or special waste collection point.
European List of Waste (LoW, EC 2000/532) : 13 02 08* - other engine, gear and lubricating oils
HP Code : HP14 - “Ecotoxic:” waste which presents or may present immediate or delayed risks for one or more sectors of the environment

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR | IMDG | IATA | ADN | RID |
|---|---|---|---|---|
| **14.1. UN number or ID number** | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| **14.2. UN proper shipping name** | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| **14.3. Transport hazard class(es)** | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| **14.4. Packing group** | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| **14.5. Environmental hazards** | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available | | | | |

### 14.6. Special precautions for user

**Overland transport**
Not applicable

**Transport by sea**
Not applicable

**Air transport**
Not applicable

### Inland waterway transport
Not applicable

### Rail transport
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

#### EU-Regulations

#### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

#### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### REACH Candidate List (SVHC)

Contains substance(s) listed on the REACH Candidate List < 0.1% or SCL.

#### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)
Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

#### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

#### Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### National regulations

#### Global Inventories

| | |
|---|---|
| Australian Inventory of Industrial Chemicals (AICIS) | Listed (Distillates (petroleum), hydrotreated heavy paraffinic; Distillates (petroleum), hydrotreated heavy paraffinic) |
| Canada DSL (Domestic Substances List) | Listed (Distillates (petroleum), hydrotreated heavy paraffinic; Distillates (petroleum), hydrotreated heavy paraffinic) |
| EC inventory | Listed (Distillates (petroleum), hydrotreated heavy paraffinic; Distillates (petroleum), hydrotreated heavy paraffinic) |
| National Inventory of Chemical Substances (INSQ) | Listed (Distillates (petroleum), hydrotreated heavy paraffinic; Distillates (petroleum), hydrotreated heavy paraffinic) |
| Inventory of Existing Chemical Substances in China (IECSC) | Listed (Distillates (petroleum), hydrotreated heavy paraffinic; Distillates (petroleum), hydrotreated heavy paraffinic) |
| Korea Existing Chemicals Inventory (KECI)(MCEE, Korea) | Listed (Distillates (petroleum), hydrotreated heavy paraffinic; Distillates (petroleum), hydrotreated heavy paraffinic) |

| | |
|---|---|
| New Zealand Inventory of Chemicals ( NZIoC ) | Listed (Distillates (petroleum), hydrotreated heavy paraffinic; Distillates (petroleum), hydrotreated heavy paraffinic) |
| Philippines Inventory of Chemicals and Chemical Substances | Listed (Distillates (petroleum), hydrotreated heavy paraffinic; Distillates (petroleum), hydrotreated heavy paraffinic) |
| Universe of REACH registered substances | Listed (Distillates (petroleum), hydrotreated heavy paraffinic; Distillates (petroleum), hydrotreated heavy paraffinic) |
| Taiwan Chemical Substance Inventory (TCSI) | Listed (Distillates (petroleum), hydrotreated heavy paraffinic; Distillates (petroleum), hydrotreated heavy paraffinic) |
| Thailand Existing Chemicals Inventory (DIW) | Listed (Distillates (petroleum), hydrotreated heavy paraffinic; Distillates (petroleum), hydrotreated heavy paraffinic) |
| National Chemical Inventory | Listed (Distillates (petroleum), hydrotreated heavy paraffinic; Distillates (petroleum), hydrotreated heavy paraffinic) |
| The United States TSCA (Toxic Substances Control Act) | Listed (Distillates (petroleum), hydrotreated heavy paraffinic; Distillates (petroleum), hydrotreated heavy paraffinic) |
| Inventory TR EAEU 041/2017 | Listed (Distillates (petroleum), hydrotreated heavy paraffinic; Distillates (petroleum), hydrotreated heavy paraffinic) |

**United Kingdom**

British National Regulations : GB MCL (Mandatory Classification and Labelling).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: | |
|---|---|
| CAS-No. | Chemical Abstracts Service number |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BOD | Biochemical oxygen demand (BOD) |
| COD | Chemical oxygen demand (COD) |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| ED | Endocrine disruptor |
| IARC | International Agency for Research on Cancer |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| VOC | Volatile Organic Compounds |

| Abbreviations and acronyms: | |
|---|---|
| WGK | Water Hazard Class |
| vPvB | Very Persistent and Very Bioaccumulative |

Data sources : ECHA (European Chemicals Agency). REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 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. Supplier's safety documents.

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

| Full text of H- and EUH-statements: | |
|---|---|
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| H304 | May be fatal if swallowed and enters airways. |
| EUH210 | Safety data sheet available on request. |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.