

# SAFETY DATA SHEET

Conforms to Regulation (EC) No. 2020/878 (REACH), Annex II - United Kingdom (UK)

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

### 1.1. Product identifier

Product name: Engine Oil 10W/40 Semi Synthetic

ref: SHLK

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

Use of the substance/mixture: Engine Oil

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

Silverhook Ltd  
Unit 14 Bates Road  
Harold Wood, London, England  
RM3 0JH  
Tel.: +44 (0)1708330500  
Fax.: +44 (0)1708330504  
Email: [522@silverhook.co.uk](mailto:522@silverhook.co.uk)  
Responsible person email: [522@silverhook.co.uk](mailto:522@silverhook.co.uk)

### 1.4. Emergency telephone number

+ 44 (0) 1708330500 (during office hours)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Product definition Mixture

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

Not classified.

Classification according to Directive 1999/45/EC [DPD]

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

See Sections 11 and 12 for more detailed information on health effects and symptoms and environmental hazards.

### 2.2. Label elements

Signal word

No signal word

Hazard statements

No known significant effects or critical hazards.

Prevention

Not applicable.

Response

Not applicable.

Storage

Not applicable.

Disposal

Not applicable.

Supplemental label elements

Contains lubricating oils (petroleum), C15-30, hydro-treated neutral oil-based.

Special packaging requirements

Containers to be fitted with child-resistant fastenings

Not applicable.

Tactile warning of danger

Not applicable.

### 2.3. Other hazards

Other hazards which do not result in classification

Experimental data on one or more of the components has been used to determine all or part of the hazard classification of this product.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/mixture** Mixture  
Synthetic & Mineral base stock with proprietary additives.

Product/ingredient name	Identifiers	%	67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	Type
Benzenamine, N-Phenyl- Reaction products with 2,4,4- Tri-Methylpentene	REACH #: 01-2119491299-23 EC: 270-128-1 CAS: 67411-46-1	< 0.3	R52/53	Aquatic Chronic 3, H412 [1]	
Lubricating oils (petroleum), C15-30, Hydro-treated neutral oil-based.	REACH #: 01-2119474878-16- 0001 EC: 276-7317-9 CAS: 72623-86-0	>70 - <85	Not classified.	Not Classified	

See Section 16 for the full text of the R-phrases declared above.  
See Section 16 for the full text of the H statements declared above.

#### Type

[1] Substance classified with a health or environmental hazard  
Occupational exposure limits, if available, are listed in Section 8.

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

##### Eye contact

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 if irritation develops.

##### Skin contact

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.

##### Inhalation

If inhaled, remove to fresh air. Get medical attention if symptoms appear.

##### Ingestion

Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

##### Protection of first-aiders

No action shall be taken involving any personal risk or without suitable training.

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

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

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

##### Notes to physician

Treatment should in general be symptomatic and directed to relieving any effects.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

##### Suitable extinguishing media

In case of fire, use foam, dry chemical or carbon dioxide extinguisher or spray.

##### Unsuitable extinguishing media

Do not use water jet.

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

##### Hazards from the substance or mixture

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)

#### 5.3. Advice for fire-fighters

##### Special precautions for fire-fighters

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

##### Special protective equipment for fire-fighters

Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN469 will provide a basic level of protection for chemical incidents.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

#### **For non-emergency personnel**

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 spilt material. Floors may be slippery; use care to avoid falling. Put on appropriate personal protective equipment.

#### **For emergency responders**

If specialised 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".

### **6.2. Environmental precautions**

Avoid dispersal of spilt 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)

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

#### **Small spill**

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.

#### **Large spill**

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.

### **6.4. Reference to other sections.**

See Section 1 for emergency contact information

See Section 5 for fire-fighting measures.

See Section 8 for information on appropriate personal protective equipment

See Section 12 for environmental precautions

See Section 13 for additional waste treatment information.

## SECTION 7: HANDLING AND STORAGE

### **7.1. Precautions for safe handling**

#### **Protective measures**

Put on appropriate personal protective equipment.

Advice on general occupational hygiene

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.

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

Store in according with local regulations. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Keep away from heat and direct sunlight. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store and use only in equipment/containers designed for use with this product. Do not store in unlabelled containers.

#### **Not suitable**

Prolonged exposure to elevated temperature.

### **7.3. Specific end use(s)**

#### **Recommendations**

See Section 1.2 and Exposure scenarios in annex, if applicable.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Occupational exposure limits

Whilst specific OELs for certain components may be shown in this section, other components may be present in any mist, vapour or dust produced. Therefore, the specific OELs may not be applicable to the product as a whole and are provided for guidance only.

#### Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (workplace atmospheres – guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres – guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (workplace atmospheres – general requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Derived No Effect Level

No DNELs/DMELs available.

Predicted No Effect Concentration

No PNECs available.

### 8.2. Exposure controls

#### Appropriate engineering controls

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

#### 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. Ensure that eyewash stations and safety showers are close to the workstation location.

##### Respiratory protection

Respiratory protective equipment is not normally required where there is adequate natural or local exhaustive ventilation to control exposure. In case of insufficient ventilation, wear suitable 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.

##### Eye/face protection

Safety glasses with side shields.

##### Skin protection

##### Hand protection

General information

Recommended: nitrile gloves.

Continuous contact

Gloves with a minimum breakthrough time of 240 minutes, or >480 minutes if suitable gloves can be obtained.

If suitable gloves are not available to offer that level of protection, gloves with shorter breakthrough times may be acceptable as long as appropriate glove maintenance and replacement regimes are determined and adhered to.

Short-term/splash protection

Recommended breakthrough times as above.

It is recognised that for short-term, transient exposures, gloves with shorter breakthrough times may commonly be used. Therefore, appropriate maintenance and replacement regimes must be determined and rigorously followed.

Skin and body

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.

##### 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.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

#### Appearance

Physical state	Liquid.
Colour	Amber. [Light]
Odour	Not available.
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Pour point	-51 °C
Flash point	Closed cup: 143°C (289.4°F) [Pensky-Martens.] [Product does not sustain combustion.]
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Density	866 kg/m <sup>3</sup> (0.866 g/cm <sup>3</sup> ) at 15°C
Solubility(ies)	insoluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Kinematic: 104 mm <sup>2</sup> /s (104 cSt) at 40°C Kinematic: 15 mm <sup>2</sup> /s (15 cSt) at 100°C
Explosive properties	Not available.
Oxidising properties	Not available.

### 9.2. Other information

No additional information.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No specific test data available for this product.

### 10.2. Chemical stability

The product is stable.

### 10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerisation will not occur.

### 10.4. Conditions to avoid

Avoid all possible sources of ignition (spark or flame)

### 10.5. Incompatible materials

Reactive or incompatible with the following materials: oxidising materials.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Avoid all possible sources of ignition (spark or flame).

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute toxicity estimates

Route	ATE value
Oral	25125.6 mg/kg

**Information on the likely routes of exposure** Routes of entry anticipated: Dermal, Inhalation.

#### Potential acute health effects

##### Inhalation

Vapour inhalation under ambient conditions is not normally a problem due to low vapour pressure.

##### Ingestion

No known significant effects or critical hazards.

##### Skin contact

No known significant effects or critical hazards. Product not classified for sensitisation. Based on data available for this or related materials.

##### Eye contact

No known significant effects or critical hazards.

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

##### Inhalation

May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs.

##### Ingestion

No specific data

##### Skin contact

No specific data

##### Eye contact

No specific data

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

##### Inhalation

Overexposure to the inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.

##### Ingestion

Ingestion of large quantities may cause nausea and diarrhoea.

##### Skin contact

Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.

##### Eye contact

Potential risk of transient stinging or redness if accidental eye contact occurs.

#### Potential chronic health effects

##### General

No known significant effects or critical hazards.

##### Carcinogenicity

No known significant effects or critical hazards.

##### Mutagenicity

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.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Environmental hazards

Not classified as dangerous

### 12.2. Persistence and degradability

Not expected to be rapidly degradable.

### 12.3. Bioaccumulative potential

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

### 12.4. Mobility in soil

#### Soil/water partition coefficient ( $K_{oc}$ )

Not available.

#### Mobility

Spillages may penetrate the soil causing ground water contamination

## 12.5. Results of PBT and vPvB assessment

### PBT

Not applicable

### vPvB

Not applicable

## 12.6. Other adverse effects

### 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

### 13.1. Waste treatment methods

#### Product

Methods of disposal

Where possible, arrange for product to be recycled. Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations.

Hazardous waste

Yes

European Waste Catalogue (EWC)

Waste code	Waste designation
13 02 06*	synthetic engine, gear and lubricating oils

However, deviation from the intended use and/or the presence of any potential contaminants may require an alternative waste disposal code to be assigned by the end user.

#### Packaging

##### Methods of disposal

Where possible, arrange for product to be recycled. Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations.

##### Special precautions

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 spilt material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: TRANSPORT INFORMATION

	ADR/RID	ADN	IMDG	IATA
<b>14.1. UN number</b>	Not regulated.	Not regulated.	Not regulated.	Not regulated.
<b>14.2. UN proper shipping name</b>	-	-	-	-
<b>14.3. Transport hazard class(es)</b>	-	-	-	-
<b>14.4. Packing group</b>	-	-	-	-
<b>14.5. Environmental hazards</b>	No.	No.	No.	No.
<b>Additional information</b>	-	-	-	-
<b>14.6. Special precautions for user</b>	Not available.			

## SECTION 15: REGULATORY INFORMATION

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

#### EU Regulation (EC) No.1907/2006(REACH)

Annex XIV -List of substances subject to authorisation

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on articles

the manufacture, placing on the market and use of Other regulations

certain dangerous substances, mixtures and

Not applicable.

REACH Status

The company, as identified in Section 1, sells this product in the EU in compliance with the current requirements of REACH.

United States inventory  
(TSCA 8b)

All components are listed or exempted.



## SECTION 15: REGULATORY INFORMATION

Australia inventory (AICS)	All components are listed or exempted.
Canada inventory	At least one component is not listed.
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 inventory (CSNN)	Not determined.

### 15.2. Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 16: OTHER INFORMATION

### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
CSA = Chemical Safety Assessment  
CSR = Chemical Safety Report  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
DPD = Dangerous Preparations Directive [1999/45/EC]  
DSD = Dangerous Substances Directive [67/548/EEC]  
EINECS = European Inventory of Existing Commercial chemical Substances  
ES = Exposure Scenario  
EUH statement = CLP-specific Hazard statement  
EWC = European Waste Catalogue  
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 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SADT = Self-Accelerating Decomposition Temperature  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure TWA = Time weighted average  
UN = United Nations  
UVCB = Complex hydrocarbon substance  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

### Full text of abbreviated H statements

H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways

## SECTION 16: OTHER INFORMATION

<b>Full text of classifications [CLP/GHS]</b>	Aquatic Chronic 3, H412	LONG-TERM AQUATIC HAZARD - Category 3
<b>Full text of abbreviated R phrases</b>	R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	

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