

SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

PRODUCT NAME: 5W40 Fully Synthetic Motor Oil
PART NO: 3050858 & 3050860
COMPANY IDENTIFICATION: CLARKE INTERNATIONAL,
HEMNALL STREET, EPPING, ESSEX. CM16 4LG
BUSINESS TELEPHONE: 01992 565300
BUSINESS FAX: 01992 561562
EMERGENCY TELEPHONE: 020 89887400

2. HAZARDS IDENTIFICATION:

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No. 1272/2008**
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic Environment.
- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification Guideline for preparation of the EU" in the latest valid version.
- **Classification System:**
The classification is according to the latest editions of the EU-lists and extended by company and literature data.

Label Elements

- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**
Void
- **Signal word**
Void
- **Hazard statements**
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P273 Avoid release to the environment.
P401 Store in accordance with local/regional/national/international regulations.
P501 Dispose of contents/container in accordance with local/regional/national/international Regulations.
- **Additional information:** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

- **Description:** A blend of synthetic base oils with multifunctional additives

- **Dangerous components:**

Polyolefin polyamine succinimide, polyol	2.5-10%
R53	
Aquatic Chronic 4, H413	

Zinc alkyl dithiophosphate	≤ 2.5%
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 Xi R41;  N R51/53



 Eye Dam. 1, H318;  Aquatic Chronic 2, H411

EINECS: 291-829-9	Calcium branched chain alkyl phenate sulphide	≤ 2.5%
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R53
Aquatic Chronic 4, H413

Polyalkyl arylamine ≤ 2.5%
 N R51/53
 Aquatic Chronic 2, H411

Calcium long chain alkaryl sulphonate ≤ 2.5%
 Xi R43
R53
 Skin Sens. 1, H317; Aquatic Chronic 4, H413

Alkenoic acid ester, borated ≤ 2.5%
 Xi R38;  N R51/53
 Aquatic Chronic 2, H411;  Skin Irrit. 2, H315

Branched alkylphenol and calcium branched alkyl phenol ≤ 2.5%
 Xn R62;  Xi R38;  N R50/53
 Repr.2, H361;  Aquatic Acute 1, H400; Aquatic
Chronic 1, H410;  Skin Irrit. 2, H315

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4. FIRST AID MEASURES:

- Description of first aid measures

- **General information:** Immediately remove any clothing soiled by the product.

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

- After swallowing:

Wash mouth out with water

Do not induce vomiting; call for medical help immediately

- Information for doctor:

High pressure injection injuries through the skin require prompt surgical intervention and possibly steroid therapy, to minimise tissue damage and loss of function. As entry wounds are small and do not reflect the seriousness of the underlying damage, surgical exploration to determine the extent of involvement may be necessary. Local anaesthetics or hot soaks should be avoided because they can contribute to swelling, vasospasm and ischaemia. Prompt surgical decompression, debridement and evacuation of foreign material should be performed under general anaesthetics and wide exploration is essential.

- Most important symptoms and effects, both acute and delayed

No further relevant information available.

- Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. FIRE FIGHTING MEASURES:

- Extinguishing media

- Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **For safety reasons unsuitable extinguishing agents:** Water with full jet

- **Special hazards arising from the substance or mixture:** No further relevant information available

- Advice for firefighters

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- Protective equipment:

- Wear self-contained respiratory protective device
- Wear fully protective suit

6. ACCIDENTAL RELEASE MEASURES:

- Personal precautions, protective equipment and emergency procedures

- Particular danger of slipping on leaked / spilled product

- Environmental precautions:

- Do not allow to penetrate the ground/soil
- Do not allow to enter sewers / surface or ground water

- Methods and material for containment and cleaning up:

- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)
- Send for recovery or disposal in suitable receptacles

- Reference to other sections

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment
- See Section 13 for disposal information

7. HANDLING & STORAGE:

- Handling:

- Precautions for safe handling

- Prevent formation of aerosols
- Ensure good ventilation/exhaustion at the workplace

- Information about fire – and explosion protection: No special measures required.

- Conditions for safe storage, including any incompatibilities

- Storage:

- Requirements to be met by storerooms and receptacles: Prevent any seepage into ground.
- Information about storage in one common storage facility: Store away from oxidising agents.
- Further information about storage conditions:
 - Store in cool, dry conditions in well sealed receptacles
 - Store in a bunded area
- Specific end use(s) – No further relevant information available.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Additional information about design of technical facilities: No further data; see item 7.

- Control parameters

- Ingredients with limit values that require monitoring at the workplace:

- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- Additional information: The lists valid during the making were used as basis.

- Exposure controls

- Personal protective equipment:

- Select PPE appropriate for the purpose of use taking into account the product properties.

- General protective and hygienic measures:

- Do not carry product impregnated cleaning cloths in trouser pockets
- Avoid close or long term contact with the skin
- Do not eat, drink, smoke or sniff while working
- Wash hands before breaks and at the end of work
- Avoid contact with the eyes.
- Do not inhale gases / fumes / aerosols

- Respiratory protection: Not required

- Protection of hands:

- The glove material has to be impermeable and resistant to the product / the substance / the preparation.
- Selection of the glove material on consideration of the penetration times, rates of diffusion and the Degradation

- Material of gloves

- The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several

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substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection:

Safety glasses

Goggles recommended during refilling.

- Body protection: Oil resistant protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES:

- Information on basic physical and chemical properties

- General Information

- Appearance:

Form:	Fluid
Colour:	Brown
Odour:	Mild

- Change in condition

Melting point / Melting Range: Undetermined

Boiling point / Boiling Range: Undetermined

Flash point: >100°C

Ignition temperature: >250°C

Self-igniting: Product is not self-igniting

Danger of explosion: Product does not present an explosion hazard

Density at 20°C: 0.848 g/cm³

Solubility in / Miscibility with water: Not miscible or difficult to mix

Viscosity: Kinematic at 40°C: 81.3 cSt

- Other information No further relevant information available

10. STABILITY AND REACTIVITY:

- Reactivity

- Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

- Possibility of hazardous reactions

No dangerous reactions known

- Conditions to avoid

No further relevant information available

- Incompatible materials

Strong oxidising agents

- Hazardous decomposition products

Carbon monoxide and carbon dioxide

11. TOXICOLOGICAL INFORMATION:

- Information on toxicological effects

- Acute toxicity:

- Primary irritant effect:

- on the skin: No irritant effect

- on the eye: No irritating effect

- Sensitisation: No sensitising effects known

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12. ECOLOGICAL INFORMATION:

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available
- **Persistence and degradability:** Inherently biodegradable
- **Behaviour in environmental systems:**
- **Bioaccumulative potential:** Product is not expected to bioaccumulate
- **Mobility in soil:** No further relevant information available
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German regulation), (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage System.
Harmful to aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable
- **Other adverse effects** No further relevant information available

13. DISPOSAL CONSIDERATIONS:

- **Waste treatment methods**
- **Recommendation**
Recommended Hierarchy of Controls:
 - Minimise waste;
 - Reuse if not contaminated
 - Recycle, if possible; or
 - Safe disposal (if all else fails)Contact waste processors for recycling information
Delivery of waste oil to officially authorised collectors only
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Used, degraded or contaminated product may be classified as hazardous waste. Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.
- **European waste catalogue**
Waste key numbers in accordance with the European Waste catalogue (EWC) are origin-referred defined. Since this product is used in several industries, no waste key can be provided by the supplier. The waste key number should be determined in arrangement with your waste disposal partner or the responsible authority.
- **Uncleaned packaging:**
- **Recommendation:**
Disposal must be made according to official regulations.
Containers, even those that are "empty", may contain residues that can develop flammable vapours upon heating. Do not cut, drill, grind, weld or perform similar operations or near empty containers.

14. TRANSPORT INFORMATION:

- **UN-Number**
- **ADR, AND, IMDG, IATA** Void
- **UN proper shipping name**
- **ADR, AND, IMDG, IATA** Void
- **Transport hazards class(es)**
- **ADR, AND, IMDG, IATA**
- **Class** Void
- **Packing group**
- **ADR, IMDG, IATA** Void
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Not applicable
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable

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- **Transport/Additional information:** Not dangerous according to the above specifications.

- **UN "Model Regulation":** -

15. REGULATORY INFORMATION:

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION:

This information is based on our present knowledge. However this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

- The risk phrases shown below are for those component substances which are listed in section 3 and not for the actual finished formulation.

- Hazards are concentration dependant. Therefore for the actual hazard classification and risk/safety phrases appropriate for the actual finished formulated product refer to section 2.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H361 Suspected of damaging fertility or the unborn child.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R53 May cause long-term adverse effects in the aquatic environment

R62 Possible risk of impaired fertility

Last Up-dated: 22/10/13