



Revision: 13 Feb 2015

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## SAFETY DATA SHEET

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

#### 1.1 Product identifier

- Product Name: Synthetic 5w/30 FMC

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

- Use of the substance/mixture: Vehicle Engine Oil.
- Use advised against: Do not use in any other application.

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

- Name of Supplier: Bardahl Distributors
- Address of Supplier: Unit 10, Greenhills Business Centre, Greenhills Road, Tallaght, Dublin 24
- Telephone: 01 - 404 9490
- Email: info@bardahl.ie

#### 1.4 Emergency telephone number

- Emergency Telephone: 01 - 404 9490
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### SECTION 2 Hazards identification

#### 2.1 Classification of the substance or mixture

- CLP: Classification (EC) No. 1272/2008 (CLP)
- CHIP: The product is classified in accordance with 67/548/EEC.

#### 2.2 Label elements

- Hazard phrases  
Not Classified
- Precautionary Phrases  
None assigned

#### 2.3 Other hazards

- A petroleum product. DMSO extract < 3 Weight % (IP 346). The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346. This note applies only to certain complex oil derived substances. (1272/2008/EC ("CLP"), Annex VI, Note L)
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### SECTION 3 Composition/information on ingredients

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**SECTION 3 Composition/information on ingredients (....)****3.1 Mixtures**

- Lubricating oils; Baseoil - unspecified  
CAS Number: 74869-22-0  
EC Number: 278-012-2  
REACH Registration Number: Not Available.  
Concentration: 1-10%  
R/H Phrases: Not Applicable
  
  - Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified  
CAS Number: 72623-87-1  
EC Number: 276-738-4  
REACH Registration Number: Not Available.  
Concentration: 70-80%  
R/H Phrases: Not Applicable
  
  - Zinc alkyldithiophosphate  
CAS Number: 68649-42-3  
EC Number: 272-028-3  
REACH Registration Number: Not Available.  
Concentration: 1-10%  
R/H Phrases: R36/38,R52/53
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**SECTION 4 First aid measures****4.1 Description of first aid measures**

- Inhalation  
S22 - Do not breathe dust  
S23 - Do not breathe vapour  
When in doubt or symptoms persist, seek medical attention
  
- Contact with eyes  
H320 - Causes eye irritation.  
If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes  
When in doubt or symptoms persist, seek medical attention
  
- Contact with skin  
H315 - Causes skin irritation.  
S27/28 - After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water  
Seek medical attention if irritation persists
  
- Ingestion  
Ingestion may cause nausea and vomiting.  
S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

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

- Can cause damage to the eyes and skin
- Causes nausea/vomiting

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

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## SECTION 4 First aid measures (....)

- S28b - Wash affected area with plenty of soap and water
  - S44 - If you feel unwell, seek medical advice (show the label where possible)
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## SECTION 5 Fire-fighting measures

### 5.1 Extinguishing media

- S43 - In case of fire use carbon dioxide or dry agent
- Do not use water jets

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

- In case of fire, do not breathe fumes
- Dyke to prevent entry to sewer or waterway. Transfer liquid to a holding container

### 5.3 Advice for firefighters

- Prevent run off water from entering drains if possible
  - Fire-fighters 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 EN 469 will provide a basic level of protection for chemical incidents.
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## SECTION 6 Accidental release measures

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

- Wear protective clothing as per section 8

### 6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses

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

- Absorb spillage in suitable inert material
- Place in appropriate container
- Seal containers and label them

### 6.4 Reference to other sections

- See Section 8
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## SECTION 7 Handling and storage

### 7.1 Precautions for safe handling

- S24/25 - Avoid contact with skin and eyes
- Ensure adequate ventilation
- P412 - Do not expose to temperatures exceeding 50°C/ 122°F.
- P202 - Do not handle until all safety precautions have been read and understood.

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

- Keep in a cool, dry, well ventilated place
  - P233 - Keep container tightly closed.
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## SECTION 7 Handling and storage (....)

- P412 - Do not expose to temperatures exceeding 50°C/ 122°F.

### 7.3 Specific end use(s)

- See Section 1
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## SECTION 8 Exposure controls/personal protection

### 8.1 Control parameters

- WEL (long term) 5 mg/m<sup>3</sup>
- WEL (short term) 10 mg/m<sup>3</sup>

### 8.2 Exposure controls



- Engineering controls should be provided to prevent the need for ventilation
  - S36/37/39 - Wear suitable protective clothing, eye/face protection and gloves
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## SECTION 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance: Liquid, amber
- Odour: Mild
- Freezing point/Range: <-45 °C
- Boiling Point/Range: >150 °C
- Flashpoint: 212 °C
- Oxidising Properties: Not considered oxidising
- Explosive Properties: Considered stable under normal conditions
- Autoignition Temperature >300
- Vapour Pressure: Vapour pressure - not applicable
- Density: 0.8483
- Viscosity: 160
- Solubility in water: Insoluble in water.

### 9.2 Other information

- The figures in this section are for guidance only please always use them in conjunction with the technical data sheet.
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## SECTION 10 Stability and reactivity

### 10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

### 10.2 Chemical stability

- Considered stable under normal conditions

### 10.3 Possibility of hazardous reactions

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## SECTION 10 Stability and reactivity (....)

- No hazardous reactions known if used for its intended purpose

### 10.4 Conditions to avoid

- P412 - Do not expose to temperatures exceeding 50°C/ 122°F.

### 10.5 Incompatible materials

- Incompatible with strong oxidizing substances

### 10.6 Hazardous Decomposition Products

- Decomposition products may include carbon oxides
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## SECTION 11 Toxicological information

### 11.1 Information on toxicological effects

- May cause drowsiness
  - R42/43 - May cause sensitisation by inhalation and skin contact
  - In cases of severe exposure, severe irritation may develop
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## SECTION 12 Ecological information

### 12.1 Toxicity

- No information available

### 12.2 Persistence and degradability

- May cause long-term adverse effects in the environment.

### 12.3 Bioaccumulation Potential

- Bioaccumulation is significant

### 12.4 Mobility in soil

- Insoluble in water. Floats on water. Absorbed only slowly into soil.

### 12.5 Results of PBT and vPvB assessment

- Not applicable.

### 12.6 Other Adverse Effects

- R58 - May cause long-term adverse effects in the environment
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## SECTION 13 Disposal considerations

### 13.1 Waste treatment methods

- S56 - Dispose of this material and its container at hazardous or special waste collection point
  - Waste Code : 13 XX XX OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)  
Code given as a guidance only it could vary from different products and the way they were used.
  - We recycle 205L and 1000L packaging.
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## SECTION 14 Transport information

### 14.1 UN Number

- UN No.: Not applicable

Not classified as hazardous for transport

### 14.2 UN Proper Shipping Name

- Proper Shipping Name: Not applicable

### 14.3 Transport hazard class(es)

- Hazard Class: Not applicable

### 14.4 Packing group

- Packing Group: Not applicable

### 14.5 Environmental hazards

- Not Classified

### 14.6 Special precautions for user

- Not Classified

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not Classified
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## SECTION 15 Regulatory information

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

- Supply regulations: DPD: Dangerous Preparations Directive; GHS: Globally Harmonised System of classification and labelling of chemicals; CLP: Classification, Labelling and Packaging regulations. Transport regulations: CDG: Carriage of Dangerous Goods regulations; ADR/RID/IMDG/ICAO/IATA regulations.

### 15.2 Chemical Safety Assessment

- A chemical safety assessment (CSA) for this product has not yet been completed
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## SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:-  
R36/38: Irritating to eyes and skin. R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Disclaimer

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in

## SECTION 16 Other information (....)

combination with any other materials or in any other process