



Optima C2 LSH 0W-30

Product Code: M421

SECTION 1 IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING

| | |
|---|--|
| 1.1 Product Identifier | Optima C2 LSH 0W-30 |
| Product Code | M421 |
| 1.2 Relevant identified uses of the substance or mixture and uses advised against | Fully synthetic multi grade engine oil. Do not use in any other application. |
| 1.3 Company | Exol Lubricants Limited All Saints Road Wednesbury, West Midlands, WS10 9TS |
| 1.4 Emergency Telephone Number | +44 (0) 121 568 6800 (Monday – Friday 08.30 – 17.00 hrs GMT) |
| 1.5 Other Information | Preparation Date: 26/09/18 |

SECTION 2 HAZARD IDENTIFICATION

| | |
|--|---|
| 2.1 Classification of the substance or mixture | CLP Classification: Not classified as hazardous. Not classified as dangerous for the Environment |
| <i>See section 16 for full text of H and R phrases</i> | |
| 2.2 Label Elements | Labelling in accordance with CLP None required |
| 2.3 Other Hazards | PBT: This substance is not identified as a PBT substance. |

SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

| 3.2 Mixtures Ingredients | EC No. | REACH Reg. No. | GHS Classification | Conc. % |
|--|--------|-------------------|--------------------|---------|
| No hazardous ingredients present at a concentration at or exceeding the Declaration of Content Limit | | | | |

SECTION 4 FIRST AID MEASURES

| | |
|--|---|
| 4.1 Description of first aid measures | |
| Eyes | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention. |
| Skin | Wash with soap and water. Get medical attention if irritation develops. Launder contaminated clothing before reuse. |
| Ingestion | DO NOT INDUCE VOMITING. Get immediate medical attention. |
| Inhalation | Remove exposed person to fresh air if adverse effects are observed. |
| 4.2 Most important symptoms and effects, both acute and delayed | Skin Contact: There may be irritation at the site of contact. Eye Contact: There may be irritation and redness. |
| 4.3 Indication of immediate medical attention and special treatment needed, if necessary | Not applicable. |

SECTION 5 FIRE-FIGHTING MEASURES

| | |
|--|--|
| 5.1 Extinguishing media | Use CO2, foam, dry powder. DO NOT USE water jets. |
| 5.2 Specific hazards arising from the substance or mixture | Large surface areas exposed to air (e.g. product soaked rags, paper or absorbed spillage) may be easily ignited and should be cleared up at once. |
| 5.3 Advice for fire-fighters | Fires in confined spaces should be dealt with by trained personnel wearing approved breathing apparatus. Water may be used to cool nearby heat exposed areas/objects/packages. Avoid spraying water directly into storage containers because of the danger of boil-over. |

SECTION 6 ACCIDENTAL RELEASE MEASURES



SAFETY DATA SHEET

| | |
|--|---|
| 6.1 Personal precautions, protective equipment and emergency procedures | See Section 8 for protective equipment. Soak liquid in absorbent material for disposal. Wash down floor area as spillage may be slippery. Larger spillage should be contained with sand or earth and collected in salvage container for disposal. |
| 6.2 Environmental precautions | Protect drains from potential spills to minimise contamination. Do not wash product into drainage system. In the case of large spills contact the appropriate authorities. In the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment. Recover product from the surface. Protect environmentally sensitive areas and water supplies. |
| 6.3 Methods and material for containment and cleaning up | Absorb into dry earth or sand. Protect drains using drain covers. Dispose of as hazardous waste. |
| 6.4 Reference to other sections | Personal protective equipment: See section 8 |

SECTION 7 HANDLING AND STORAGE

| | |
|---|--|
| 7.1 Precautions for safe handling | Empty containers contain residue which may exhibit hazards of product. Avoid contact with eyes. If splashing is likely to occur wear a full face visor or chemical goggles as appropriate. Avoid frequent or prolonged skin contact with fresh or used product. Good working practices, high standards of personal hygiene and plant cleanliness must be maintained at all times. Wash hands thoroughly after contact. Use disposable cloths and discard when soiled. Do not put soiled cloths into pockets. |
| 7.2 Conditions for safe storage, including any incompatibilities | Do not store in open or unlabelled containers. Store away from strong oxidising agents or combustible material. Take precautionary measures to prevent product spills into drains, the ground or waters. |
| 7.3 Specific end use(s) | See section 1. |

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

| | | | |
|-------------------------------|--|-------------------------|----------------------|
| 8.1 Control parameters | | | |
| Country | Substance | Long Term (8 Hours TWA) | Short Term (15 Mins) |
| EU | Oil Mist | 5 mg/m ³ | - |
| 8.2 Exposure controls | <p>Occupational Exposure Controls: Ensure adequate ventilation. Use personal protective equipment and/or local ventilation when needed. Avoid skin contact and inhalation of oil mist. Thoroughly clean contaminated skin and change dirty clothing and equipment.</p> <p>Respiratory Protection: Oil mist respirator (combined particle and organic vapour filter, type A2/P2) where there is a risk of generating oil mist.</p> <p>Hand Protection: Protective gloves, PVC, nitrile rubber. Change protective gloves regularly.</p> <p>Eye Protection: Safety goggles if there is a risk of splashing.</p> <p>Skin Protection: Protective clothing when needed.</p> <p>Environmental Exposure Controls: Take precautionary measures to prevent product spills into drains, the ground or waters.</p> | | |

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties Does not constitute a specification

| | | |
|---|-------------------------|---------------------|
| Typical Values | | |
| Grades: | | Optima C2 LSH 0W-30 |
| | Units | |
| Appearance | | Clear amber fluid |
| Odour | | Characteristic |
| Odour Threshold | | No data available |
| pH | | Not applicable |
| Relative density | kg/m³ | 0.849 @ 20°C |
| Solubility - water | | Insoluble |
| Pour Point | °C | -43 |
| Initial boiling point and range | °C | No data available |
| Flash point (PMCC) | °C | 220 |
| Flammability | | No data available |
| Upper/lower flammability or explosive limits | | No data available |
| Vapour pressure | kPa (0.1 mm Hg) | Not applicable |
| Partition coefficient n-octanol/water | Log Pow | Not applicable |



SAFETY DATA SHEET

| | | |
|---------------------------|--------------------|-------------------|
| Autoignition temperature | | No data available |
| Decomposition temperature | | No data available |
| Viscosity | mm ² /s | 52.5 @ 40°C |
| | mm ² /s | 9.7 @ 100°C |
| Evaporation rate | | Not applicable |
| Vapour density | | Not applicable |
| Explosive properties | | None |
| Oxidising properties | | None |
| 9.2 Other Information | None | |

SECTION 10 STABILITY AND REACTIVITY

| | |
|---|--|
| 10.1 Reactivity | Stable at ambient temperatures. |
| 10.2 Chemical stability | Stable under normal conditions of use |
| 10.3 Possibility of hazardous reactions | Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below. |
| 10.4 Conditions to avoid | Avoid overheating |
| 10.5 Incompatible materials | Incompatible with strong oxidising agents. |
| 10.6 Hazardous decomposition products | Thermal decomposition products will vary with conditions. Incomplete combustion will generate smoke, carbon dioxide and hazardous gases, including carbon monoxide and hydrogen sulphide and oxides of sulphur and phosphorus. |

SECTION 11 TOXICOLOGICAL INFORMATION

| | |
|---|---|
| 11.1 Information on toxicological effects | |
| Acute Toxicity | |
| - Oral | No toxic components present at levels to cause classification. |
| - Inhalation | No toxic components present at levels to cause classification. |
| - Dermal | No toxic components present at levels to cause classification. |
| Corrosivity/Irritation | |
| - Eye | No components present that are classified as eye irritants. |
| - Skin | No components present that are classified as skin irritants. |
| - Respiratory Tract | No components present that are classified as respiratory irritants. |
| Sensitisation | |
| - Skin | No evidence of sensitisation effects. |
| - Respiratory | No evidence of sensitisation effects. |
| Repeated-dose Toxicity | No data available. |
| Mutagenicity | No evidence of mutagenicity. |
| Carcinogenicity | No evidence of carcinogenicity. |
| Reproductive Toxicity | No evidence of reproductive toxicity. |

SECTION 12 ECOLOGICAL INFORMATION

| | |
|---|--|
| 12.1 Toxicity | It is not expected to be toxic to aquatic organisms. |
| 12.2 Persistence and Degradability | Expected to be inherently biodegradable. |
| 12.3 Bioaccumulative Potential | No evidence to suggest bioaccumulation will occur. |
| 12.4 Mobility in Soil | Accidental spillage may lead to penetration in soil and groundwater. |
| 12.5 Results of PBT and vPvB Assessment | This substance is not identified as a PBT substance. |
| 12.6 Other Adverse Effects | None. |

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods
Send to registered waste disposal site using services of a registered waste disposal contractor. Disposal of packaging: Dispose of as normal industrial waste. **NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14 TRANSPORT INFORMATION



SAFETY DATA SHEET

Not classified as dangerous goods for carriage under ADR/RID/AND/IMDG/ICAO/IATA regulations

| | |
|---|---|
| 14.1 UN Number | - |
| 14.2 UN Proper Shipping Name | - |
| 14.3 Transport Hazard Class | - |
| 14.4 Packing Group | - |
| 14.5 Environmental Hazards | Not classified as an Environmentally hazardous substance/Marine Pollutant |
| 14.6 Special Precautions for User | See section 8 for safe handling |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable to packaged goods |

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 has not been carried out for the substance or the mixture by the supplier. |

SECTION 16 OTHER INFORMATION

Third Issue
Second Issue March 2015: Changed name
First Issue October 2012: Changed to new format.