

Safety Data Sheet

1. Identification of the substance/mixture and of the Company

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|-------|---|---|
| 1.1 | Product identifier | |
| 1.1.1 | Product name | Fully-Synthetic Dexos2 Engine Oil |
| 1.1.2 | Trade name | CO5W30D2 |
| 1.2 | Relevant identified uses of the substance/mixture and use advised against | Main uses: 4 stroke engine lubrication |
| 1.3 | Details of the supplier of the safety data sheet | Comline Auto Parts Limited Unit B1, Luton Enterprise Park, Sundon Park Road, Luton, LU3 3GU, England |
| 1.4 | Emergency telephone number | T+44(0)1582 578 888 |

2. Hazard identification

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|-------|-------------------------------|
| 2.1 | Classification of the mixture |
| 2.1.1 | Dir. 1272/2008/EC (CLP): |

Classification

Not classified

Labelling

Not applicable

| | | |
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| 2.2 | Other hazards: | None |
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3. Composition/information on ingredients

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| 3.1 | Substances | Not applicable. |
| 3.2 | Mixtures | Lubricating oil. Additives. |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP |
|----------------------|---|-----|--|
| LUBRICATING BASE OIL | EINECS: 278-012-2 REACH registration number 01-2119495601-36-0009 EINECS: 265-157-1 REACH registration number 01-2119484627-25 | >83 | Not classified |

| | | | |
|--|---|-------------|--|
| ZINC DI-ALKYL DITHIOPHOSPHATES | EINECS: 272-028-3 REACH registration number Not available | 0.67-1.33 | Aquatic Chronic 2; H 411 Eye Dam. 1; H 318 Skin Irrit. 2; H 315 |
| CALCIUM LONG-CHAIN ALKYLPHENATE SULFIDE | CAS: 122384-87-6 REACH registration number Not available | 0.13-0.66 | Aquatic Chronic 4; H 413 |
| ETHYLENE-PROPYLENE POLYMER | EINECS: Polymer REACH registration number Not applicable | 0.91 | Not classified |
| ALKARYL AMINE | EINECS: 253-249-4 REACH registration number Not available | 0.67-1.33 | Aquatic Chronic 4; H 413 |
| ALKOXYLATED LONG-CHAIN ALKYL ALCOHOL | CAS: 68551-12-2 REACH registration number Not available | 0.013-0.067 | Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 3; H412 |
| PHENOL, 4-DODECYL- | EINECS: 203-202-9 REACH registration number Not available | 0.067-0.133 | Skin Corr. 1C; H314 Eye Dam. 1; H318 Repr. 1B; H360F (Fertility) Aquatic Acute 1; H400 Aquatic Chronic 1; H410 |
| METHACRYLIC POLYMER | EINECS: Polymer REACH registration number Not applicable | 0.06 – 0.14 | Not classified |

See Section 16 for the full text of H and EUH-phrases mentioned above.

4. First-aid measures

4.1 Description of first aid measures

4.1.1 Inhalation

If an exposure to high-concentrated oil mists occurs, move the patient to fresh air. If liquid is inhaled, take to hospital immediately.

4.1.2 Skin contact

Wash skin thoroughly with water and soap.

4.1.3 Eye contact

Immediately flush eyes with large amounts of water.

4.1.4 Ingestion

Do not induce vomiting. Call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Not applicable

4.3 Indication of any immediate medical attention and special treatment needed

Depending on the exposure level, it is recommended periodical medical checks.

5. Firefighting measures

5.1 Extinguishing media

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| 5.1.2 | Recommended | Carbon Dioxide, foams, powders. |
| 5.1.3 | Forbidden | Water jets. |
| 5.2 | Special hazards arising from the substance or mixture | In case of combustion, it may generate dangerous smokes of carbon monoxide, carbon dioxide, unburnt hydrocarbon flue gas and other pyrolysis products. |
| 5.3 | Advice for firefighters | Oxygen breathing set and protective clothes. |
| 5.3.1 | Personnel equipment | Cool the tanks by water jet. |
| 5.3.2 | Other recommendations | |

6. Accidental release measure

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| 6.1 | Personal precautions, protective equipment and emergency procedure | Remove ignition sources, provision sufficient ventilation. Wear suitable protective equipment to prevent any contamination of skin, eyes and personal clothing. |
| 6.2 | Environmental precaution | Do not allow product to enter sewers or watercourses. Notify appropriate authorities in case of spill/leakage. |
| 6.3 | Methods and material for containment and clearing up | |
| 6.3.1 | Advice to contain a spill | Dike area of spill. |
| 6.3.2 | Advice to clean-up a spill | Recover with any appropriate equipment. Absorb with inert material, i.e.: sand. |
| 6.4 | Reference to other sections | See Sections 8 and 13. |

7. Handling and Storage

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| 7.1 | Precautions for safe handling | |
| 7.1.1 | Recommendations | Prevent oil mists from generating. Reduce the release of substance to the environment. |
| 7.1.2 | Advice on general occupational hygiene | Don't have any food and beverage in working area. It is recommended to wash hands after use. Undress contaminated safety equipment before having any food. |

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| 7.2 | Condition for safe storage, including any incompatibilities | Keep containers closed when not in use. Do not store open and unlabelled containers. Keep away from flammable materials. Do not store near heat, sparks, open flames and strong oxidizing agents. |
| 7.3 | Specific end use | Not available. |

8. Exposure control/personal protection

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| 8.1 | Control parameter | |
| 8.1.1 | National limit values | |
| 8.1.1.1 | National occupational exposure limit in accordance with Directive 98/24/EC | TLV-TWA (A.G.C.I.H), oil mist: 5mg/m ³ TLV-STEL (A.G.C.I.H), oil mist: 10 mg/m ³ |
| 8.1.1.2 | National occupational exposure limit values in accordance with Directive 2004/37/EC | Not applicable |
| 8.1.1.3 | Any other national occupational exposure limit value | None |
| 8.1.1.4 | National biological limit values in accordance with Directive 98/24/EC | Not applicable |
| 8.1.1.5 | Any other national biological limit Values | Not applicable |
| 8.1.2 | Information recommended monitoring procedures provided for the most relevant substances | Not available |
| 8.1.3 | Occupational exposure limit values and/or biological limit values for these | Not applicable |
| 8.1.4 | Relevant DNELs and PNECs | Not available |
| 8.1.5 | Risk management measures | Not applicable |
| 8.2 | Exposure controls | |
| 8.2.1 | Appropriate engineering controls | Prevent mist or aerosol from generating. |
| 8.2.2 | Individual protection measures, such as personal protective equipment | |
| 8.2.2.1 | Eye/face protection | Goggles are suggested. |
| 8.2.2.2 | Skin protection | Wear standard working clothing. |
| 8.2.2.3 | Respiratory protection | Not necessary under normal use conditions. |
| 8.2.2.4 | Hand protection | Mineral oil-proof gloves are suggested. |

- 8.2.3 Environmental exposure controls Do not allow product to soak the soil or enter sewers or watercourses.

9. Physical and chemical properties

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| 9.1 | Information on basic physical and chemical properties | |
| 9.1.1 | Appearance | |
| 9.1.1.1 | Physical state at 20°C and 1013 hPa | Liquid |
| 9.1.1.2 | Colour | Dark yellow |
| 9.1.2 | Odour | Typical |
| 9.1.3 | Odour threshold | Not applicable |
| 9.1.4 | pH | Not applicable |
| 9.1.5 | Pour point | -27°C Max |
| 9.1.6 | Initial boiling point and boiling range | >360°C |
| 9.1.7 | Flash point | >200°C |
| 9.1.8 | Evaporation rate | Not applicable |
| 9.1.9 | Flammability (solid, gas) | Not applicable |
| 9.1.10 | Upper/lower flammability or explosive limits | Not applicable |
| 9.1.11 | Vapour pressure at 20°C | < 0.01 hPa |
| 9.1.12 | Vapour density | >2 |
| 9.1.13 | Relative Density at 15°C | 865 Kg/m ³ Max |
| 9.1.14 | Solubility in water | Negligible |
| 9.1.15 | Partition coefficient : n-octanol/water | Not applicable |
| 9.1.16 | Auto-ignition temperature | >325°C |
| 9.1.17 | Decomposition temperature | Not applicable |
| 9.1.18 | Viscosity at 100°C | 9.5 to 12.3 mm ² /s |
| 9.1.19 | Viscosity at 40°C | 60 mm ² /s typical |
| 9.1.20 | Explosive properties | Not applicable |
| 9.1.21 | Oxidising properties | Not applicable |
| 9.2 | Other Information | |
| 9.2.1 | Miscibility | Complete, in hydrocarbons and most of organic solvents. |

10. Stability and reactivity

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| 10.1 | Reactivity | Not reactive. |
| 10.2 | Chemical stability | The product is stable under normal use and storage conditions. |
| 10.3 | Possibility of hazardous reactions | None. |
| 10.4 | Condition to avoid | Avoid exposure to heat, especially in closed containers. |
| 10.5 | Incompatible materials | Strong oxidizing agents. |
| 10.6 | Hazardous decomposition products | None. |

11. Toxicological information

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| 11.1 | Information on toxicological effects | |
| 11.1.1 | Acute toxicity | LD ₅₀ (oral): > 5000 mg/Kg bw (not toxic) LD ₅₀ (dermal): > 2000 mg/Kg bw (not toxic) m ³ LC ₅₀ (inhalation): > 5000 mg/ air (not toxic) |
| 11.1.2 | Skin corrosion/irritation | Not corrosive/not irritating |
| 11.1.3 | Serious eye damage/irritation | Not corrosive/not irritating |
| 11.1.4 | Respiratory or skin sensitisation | Not sensitising |
| 11.1.5 | Germ cell mutagenicity | Genetic toxicity: negative |
| 11.1.6 | Carcinogenicity | Not carcinogenic via oral, dermal or inhalation exposures (OECD 453). |
| 11.1.7 | Reproductive toxicity | Not reproductive toxicant (OECD 421) (route:oral): NOAEL: 1000 mg/Kg bw/day (route: dermal): NOAEL: 2000 mg/Kg bw/day |

12. Ecological information

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|------|------------------------------------|---|
| 12.1 | Toxicity | Not toxic |
| 12.2 | Persistence and degradability | Inherently biodegradable, but not readily biodegradable; moderately persistent, particularly in anaerobic conditions. |
| | Bioaccumulative potential | Being poorly soluble in water, its bio-availability to aquatic organisms is minimal and the bio-accumulation is unlikely. |
| 12.3 | Mobility in soil | Not available |
| 12.4 | Results of PBT and vPvB assessment | Not classified as PBT or vPvB mixture |
| 12.5 | Other adverse effects | None |

13. Disposal information

All disposals must comply with Community regulations on this issue except for different National or Regional provisions

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| 13.1 | Waste treatment methods | Do not dispose of the product, either new or used by discharging into sewers, tunnels, lakes, or water courses. Deliver to a qualified official collector. According to the actual use, this product can be classified with different codes, e.g. in groups 13 and 16 (Ref.: 2001/118/CE). It is not possible to give a general classification: the user has the responsibility of choosing the right code, considering the actual use of the product, alterations and contaminations. |
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| 13.2 | Disposal of packaging | Dispose of in a safe manner, in accordance with local regulations. Do not cut, weld, drill, burn or incinerate empty containers or drums unless they have been cleaned and declared safe. |
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14. Transport information

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| 14.1 | UN number | Not applicable |
| 14.2 | UN proper shipping number | Not applicable |
| 14.3 | Transport hazard class | Does not belong to any class of danger. |
| 14.4 | Packing group | Not applicable |
| 14.5 | Environmental hazards | None |
| 14.6 | Special precautions for user | None |
| 14.7 | Transport in bulk according to annex II of MARPOL 73/78 and the IBC Code | Not applicable |

15. Regulatory information

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|------|--|---|
| 15.1 | Safety, health and environmental regulations/legislation specific for the substance or mixture | National laws on classification, labelling and packaging of dangerous substances and mixtures (Adoption of Regulation 1272/2008/CE (CLP) and subsequent amendments). National adoption of Directives 89/391/CEE, 89/654/CEE, 89/655/CEE, 89/656/CEE, 97/42/CE, 99/38/CE, 99/92/CE, 2001/45/CE, 2003/10/CE, 2003/18/CE. National adoption of Directive 75/439/CEE, concerning disposal of used oils. Relevant national laws on recycling and re-use of waste materials. Relevant national laws on prevention of water Pollution. |
| 15.2 | Chemical safety assessment | Not available. |

16. Other information

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| 16.1 | Additional Data The lubricant base oils used for this final product are subjected to refining treatment, therefore their PAH content (Polycyclic Aromatic Hydrocarbon) according to IP 346 method, is less than 3%. So, they are not classified as carcinogenic according Regulation 1278/2008/EC (CLP) and subsequent amendments. |
| 16.2 | References to regulations on Material Safety Data Sheet issuing. |

This sheet has been compiled in compliance with Regulation (EC) 1907/2006-REACH and subsequent amendments and in compliance with Regulation (EC) 1272/2008-CLP and subsequent amendments.

16.3 Revision

This safety sheet has been updated according to the latest Community directives as far as new regulation references and data are concerned.

16.4 Full text of H and EUH-phrases:

| | |
|-------------------|--|
| Acute Tox. 3 | Acute toxicity. Category 3. |
| Aquatic Acute 1 | Hazardous to the aquatic environment – acute hazard, category 1. |
| Aquatic Chronic 1 | Hazardous to the aquatic environment – chronic hazard, category 1. |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – chronic hazard, category 2. |
| Aquatic Chronic 4 | Hazardous to the aquatic environment – chronic hazard, category 4. |
| Eye Dam. 1 | Serious eye damage. Hazard category 1. |
| Eye Irrit. 2 | Serious eye irritation. Hazard category 2. |
| Repr. 2 | Reproductive toxicity. Hazard category 2. |
| STOT RE 2 | Specific target organ toxicity – repeated exposure. Category 2. |
| H 301 | Toxic if swallowed. |
| H 311 | Toxic in contact with skin. |
| H 315 | Causes skin irritation. |
| H 318 | Causes serious eye damage. |
| H 331 | Toxic if inhaled. |
| H 361 | Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>. |
| H 373 | May cause damage to organ <or state all organs affected , if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>. |
| H 400 | Very toxic to aquatic life. |
| H 410 | Very toxic to aquatic life with long lasting effects. |
| H 411 | Toxic to aquatic life with long lasting effects. |
| H 413 | May be harmful to aquatic life with long lasting effects. |

The information contained in this data sheet is considered to be accurate as of the revision date specified below. They have an informative purpose only and it is the user's obligation to evaluate and use this product properly.

Comline Auto Parts Ltd shall not be responsible for abnormal use of the material and does not guarantee its specific properties.