

1. Identification of the substance/preparation and of the company/undertaking

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| Product name | Castrol Spheerol MP 2 |
| SDS # | 453652 |
| Product use | Grease for industrial applications For specific application advice see appropriate Technical Data Sheet or consult our company representative. |
| Supplier | Castrol (UK) Ltd. Witan Gate House 500-600 Witan Gate Central Milton Keynes MK9 1ES United Kingdom |
| EMERGENCY TELEPHONE NUMBER | +44 (0) 1908 853000 |

2. Composition/information on ingredients

Highly refined base oil (IP 346 DMSO extract < 3%). Soap. Proprietary performance additives.

This product does not contain any hazardous ingredients at or above regulated thresholds.

3. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC as amended and adapted.

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| Physical/chemical hazards | Not classified as dangerous. |
| Human health hazards | Not classified as dangerous. |
| Environmental hazards | Unlikely to be harmful to aquatic organisms. |
| Effects and symptoms | |
| Eyes | No significant health hazards identified. Note: High Pressure Applications Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. See 'Medical Advice' under First-Aid Measures, Section 4 of this Safety Data Sheet. |
| Skin | No significant health hazards identified. |
| Inhalation | No significant health hazards identified. |
| Ingestion | No significant health hazards identified. |

4. First aid measures

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| Eye Contact | In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Get medical attention if irritation occurs. |
| Skin contact | In case of contact, immediately flush 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. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. |
| Notes to physician | Treatment should in general be symptomatic and directed to relieving any effects. Note: High Pressure Applications Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. Injuries may not appear serious at first but within a few hours tissue becomes swollen, discoloured and extremely painful with extensive subcutaneous necrosis. Surgical exploration should be undertaken without delay. Thorough and extensive debridement of the wound and underlying tissue is necessary to minimise tissue loss and prevent or limit permanent damage. Note that high pressure may force the product considerable distances along tissue planes. |

5 . Fire-fighting measures

Extinguishing Media

Suitable

Use foam or all-purpose dry chemicals to extinguish. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Not Suitable

Do not use water jet.

Unusual fire/explosion Hazards

None identified.

Protection of fire-fighters

Fire-fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

6 . Accidental release measures

Personal Precautions

Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (See Section: "Exposure controls/personal protection"). Follow all fire fighting procedures (See Section: "Fire-fighting measures").

Environmental precautions and clean-up methods

If emergency personnel are unavailable, contain spilled material. Suction or scoop the spill into appropriate disposal or recycling vessels, then cover spill area with oil absorbent. Place spilled material in an appropriate container for disposal. See Section 13 for Waste Disposal Information.

Personal protection in case of a large spill

Splash goggles. Full suit. Boots. Gloves.

7 . Handling and storage

Handling

Wash thoroughly after handling.

Storage

Keep container tightly closed. Keep container in a cool, well-ventilated area.

Not Suitable

Prolonged exposure to elevated temperature

8 . Exposure controls/personal protection

Occupational exposure limits

This product does not have any assigned OELs.

Control Measures

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

Hygiene measures

Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Personal protective equipment

Respiratory system

None required; however, use of adequate ventilation is good industrial practice.

Skin and body

None required; however, use of protective clothing is good industrial practice.

Hands

None required; however, use of gloves is good industrial practice.

Eyes

Safety glasses with side shields.

9 . Physical and chemical properties

Flash point

>150 °C (Closed cup) Pensky-Martens.

Colour

Yellowish-brown.

Odour

Mild

Physical state

Grease

Density

1000 kg/m³ (1 g/cm³) at 15°C

Solubility

Insoluble in water.

LogK_{ow}

The product is more soluble in octanol; log(octanol/water) >3

10 . Stability and reactivity

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| Incompatibility with various substances | Reactive with oxidising agents. |
| Hazardous polymerization | Will not occur. |

11 . Toxicological information

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| Acute toxicity | Unlikely to cause more than transient stinging or redness if accidental eye contact occurs. Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated exposure may lead to dermatitis. Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhoea. At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs. |
| Chronic toxicity Carcinogenic effects | No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH, the International Agency for Research on Cancer (IARC) or the European Commission (EC). |

12 . Ecological information

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| Persistence/degradability | Inherently biodegradable. |
| Mobility | Spillages are unlikely to penetrate the soil. |
| Bioaccumulative potential | This product is not expected to bioaccumulate through food chains in the environment. |
| Environmental hazards | Unlikely to be harmful to aquatic organisms. |
| Other ecological information | Spillages are unlikely to penetrate the soil. |

13 . Disposal considerations

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| Disposal Consideration / Waste information | Where possible, arrange for product to be recycled. Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations. |
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14 . Transport information

Not classified as hazardous for transport (ADR, RID, UN , IMO, IATA/ICAO).

15 . Regulatory information

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| Label Requirements | |
| Risk Phrases | This product is not classified according to the EU regulations. |
| EU Regulations | Classification and labelling have been performed according to EU directives 1999/45/EC and 67/548/EEC as amended and adapted. |
| Other regulations | |
| Inventories | AUSTRALIAN INVENTORY (AICS): Not determined. CANADA INVENTORY (DSL): Not determined. CHINA INVENTORY (IECS): Not determined. EC INVENTORY (EINECS/ELINCS): In compliance. JAPAN INVENTORY (ENCS): Not determined. KOREA INVENTORY (ECL): Not determined. PHILIPPINE INVENTORY (PICCS): Not determined. US INVENTORY (TSCA): Not determined. |
| Additional warning phrases | Safety data sheet available for professional user on request. |

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Version 3

Date of issue 12 October 2004

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(United Kingdom)

(ENGLISH)

16 . Other information

History

Date of issue 12/10/2004.

Date of previous issue 19/12/2003.

Prepared by Product Stewardship Group

Notice to reader

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from us.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The BP Group shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken.

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