



# Ring Free DD 40

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
SDS Reference Number: 21566  
Issue date: 09/07/2024 Revision date: 09/07/2024 Version: 1.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Ring Free DD 40  
Product code : 7416  
Type of product : Engine oil

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

##### Relevant identified uses

Main use category : Industrial use, Professional use  
Use of the substance/mixture : Lubricants and additives  
Function or use category : Lubricants and additives

| Title   | Life cycle stage         | Use descriptors                            |
|---|--------------------------|--|
| General industrial use of lubricants and greases in vehicles or machinery. Includes filling and draining of containers and enclosed machinery (including engines) | Industrial, Professional | SU3, PC17, PC24, PROC1, PROC8b, ERC4, ERC7 |

Full text of use descriptors: see section 16

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

##### Manufacturer

Morris Lubricants  
Castle Foregate  
SY1 2EL Shrewsbury, Shropshire  
United Kingdom  
T +44 (0) 1743 232200  
[sds@morris-lubricants.co.uk](mailto:sds@morris-lubricants.co.uk)

#### 1.4. Emergency telephone number

Emergency number : +44 (0) 1743 232200  
08.45 - 17.00 GMT

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Precautionary statements (CLP) : P501 - Dispose of contents and container to a hazardous or special waste collection point.  
EUH-statements : EUH210 - Safety data sheet available on request.

#### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

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The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

| Name   | Product identifier   | %           | Classification according to Regulation (EC) No. 1272/2008 [CLP]    |
|--|--|-------------|--|
| Distillates, hydrotreated heavy paraffinic substance with national workplace exposure limit(s) (BE, BG, CZ, DK, FI, GB, GR, HU, IE, LT, LV, NL, PL, PT, RO, SE, SK, IS, NO, CH)                                      | CAS-No.: 64742-54-7<br>EC-No.: 265-157-1<br>EC Index-No.: 649-467-00-8<br>REACH-no: 01-2119484627-25, UK-01-1759217276-5 | ≥ 70 – < 90 | Not classified   |
| distillates (petroleum), solvent-dewaxed light paraffinic; baseoil -unspecified substance with national workplace exposure limit(s) (BE, BG, CZ, DK, FI, GB, GR, HU, IE, LT, LV, NL, PL, PT, RO, SE, SK, IS, NO, CH) | CAS-No.: 64742-56-9<br>EC-No.: 265-159-2<br>EC Index-No.: 649-469-00-9<br>REACH-no: 01-2119480132-48                     | < 5         | Not classified   |
| Zinc bis[O-(6-methylheptyl)]bis[O-(sec-butyl)]bis(dithiophosphate)   | CAS-No.: 93819-94-4<br>EC-No.: 298-577-9<br>REACH-no: 01-2119543726-33   | ≥ 0.1 – < 5 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Chronic 2, H411 |

#### Specific concentration limits:

| Name   | Product identifier   | Specific concentration limits (%)   |
|--|--|---|
| Zinc bis[O-(6-methylheptyl)]bis[O-(sec-butyl)]bis(dithiophosphate) | CAS-No.: 93819-94-4<br>EC-No.: 298-577-9<br>REACH-no: 01-2119543726-33 | (6.25 ≤ C < 9.9) Skin Irrit. 2; H315<br>(10 ≤ C < 12.5) Eye Irrit. 2; H319<br>(12.5 ≤ C < 100) Eye Dam. 1; H318 |

Comments : A petroleum product. DMSO extract < 3 % weight (IP 346)  
Full text of H- and EUH-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation : None under normal use. Inhalation may cause irritation (cough, short breathing, difficulty in breathing).

Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact : May cause slight irritation.

Symptoms/effects after ingestion : Although not classified, the product contains mineral oil. If aspirated into the lungs e.g. through vomiting after ingestion, admit to hospital immediately.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Unsuitable extinguishing media : Do not use a heavy water stream.

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

Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

#### 5.3. Advice for firefighters

Precautionary measures fire : Keep container closed when not in use.  
Firefighting instructions : Prevent fire fighting water from entering the environment. Use water spray or fog for cooling exposed containers.

### SECTION 6: Accidental release measures

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

General measures : Clean up any spills as soon as possible, using an absorbent material to collect it.

##### For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

#### 6.2. Environmental precautions

No additional information available

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

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

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

Technical measures : Store in a well-ventilated place. Keep container tightly closed.  
Incompatible products : Oxidizing agent. Strong acids. Strong bases.  
Storage area : Store in a well-ventilated place.  
Special rules on packaging : Store in a closed container.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### National occupational exposure and biological limit values

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### Distillates, hydrotreated heavy paraffinic (64742-54-7)

#### United Kingdom - Occupational Exposure Limits

|                      |                        |
|----------------------|------------------------|
| WEL TWA (OEL TWA)    | 5 mg/m <sup>3</sup> 8H |
| Regulatory reference | EU OEL                 |

### distillates (petroleum), solvent-dewaxed light paraffinic; baseoil -unspecified (64742-56-9)

#### United Kingdom - Occupational Exposure Limits

|                      |                     |
|----------------------|---------------------|
| WEL TWA (OEL TWA)    | 5 mg/m <sup>3</sup> |
| Regulatory reference | EU OEL              |

### 8.2. Exposure controls

No additional information available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |                            |
|---|----------------------------|
| Physical state                                  | : Liquid                   |
| Colour  | : amber.                   |
| Appearance                                      | : Liquid.                  |
| Odour   | : Not available            |
| Odour threshold                                 | : Not available            |
| Melting point                                   | : Not available            |
| Freezing point                                  | : Not available            |
| Boiling point                                   | : Not available            |
| Flammability                                    | : Not available            |
| Lower explosion limit                           | : Not available            |
| Upper explosion limit                           | : Not available            |
| Flash point                                     | : 215 °C PMCC              |
| Auto-ignition temperature                       | : Not available            |
| Decomposition temperature                       | : Not available            |
| pH  | : Not available            |
| Viscosity, kinematic @ 40°C                     | : 124.4 mm <sup>2</sup> /s |
| Solubility                                      | : Not available            |
| Partition coefficient n-octanol/water (Log Kow) | : Not available            |
| Vapour pressure                                 | : Not available            |
| Vapour pressure at 50°C                         | : Not available            |
| Density   | : Not available            |
| Relative density                                | : 0.877                    |
| Relative vapour density at 20°C                 | : Not available            |
| Particle characteristics                        | : Not applicable           |

### 9.2. Other information

#### Other safety characteristics

Additional information : The product is a complex mixture, the majority of which would not be classed as a VOC. However it cannot be discounted that trace or low levels of VOCs may be present.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

No additional information available

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### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### distillates (petroleum), solvent-dewaxed light paraffinic; baseoil -unspecified (64742-56-9)

|                    |                   |
|--------------------|-------------------|
| LD50 oral rat      | ≥ 5000 mg/kg ECHA |
| LD50 dermal rabbit | ≥ 2000 mg/kg EHCA |

#### Zinc bis[O-(6-methylheptyl)]bis[O-(sec-butyl)]bis(dithiophosphate) (93819-94-4)

|                    |                  |
|--------------------|------------------|
| LD50 oral rat      | > 2600 (≤) mg/kg |
| LD50 dermal rabbit | > 3160 mg/kg     |

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)  
Additional information : Repeated exposure may cause skin dryness or cracking.  
Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)  
Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)  
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)  
Carcinogenicity : Not classified  
Additional information : This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP346 test  
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)  
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)  
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

#### Zinc bis[O-(6-methylheptyl)]bis[O-(sec-butyl)]bis(dithiophosphate) (93819-94-4)

|                                     |   |
|-------------------------------------|---|
| LOAEL (dermal, rat/rabbit, 90 days) | ≈ 70 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)  |
| NOAEL (oral, rat, 90 days)          | 160 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| NOAEL (dermal, rat/rabbit, 90 days) | < mg/kg bodyweight/day  |

Aspiration hazard : Not classified  
Additional information : Although not classified, the product contains mineral oil. If aspirated into the lungs e.g. through vomiting after ingestion, admit to hospital immediately.

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|                             |                          |
|-----------------------------|--------------------------|
| Viscosity, kinematic @ 40°C | 124.4 mm <sup>2</sup> /s |
|-----------------------------|--------------------------|

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### 11.2. Information on other hazards

#### Other information

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Additional information : Based on available data, the classification criteria are not met.

#### Zinc bis[O-(6-methylheptyl)]bis[O-(sec-butyl)]bis(dithiophosphate) (93819-94-4)

|                      |                        |
|----------------------|------------------------|
| EC50 - Crustacea [1] | 5.4 mg/l Daphnia magna |
| EC50 72h - Algae [1] | 2.1 mg/l               |
| EC50 72h - Algae [2] | 2 mg/l                 |
| EC50 96h - Algae [1] | 2.1 mg/l               |
| EC50 96h - Algae [2] | 2 mg/l                 |

### 12.2. Persistence and degradability

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Persistence and degradability : Not established.

#### Distillates, hydrotreated heavy paraffinic (64742-54-7)

Persistence and degradability : Not rapidly degradable

#### distillates (petroleum), solvent-dewaxed light paraffinic; baseoil -unspecified (64742-56-9)

Persistence and degradability : Not rapidly degradable

#### Zinc bis[O-(6-methylheptyl)]bis[O-(sec-butyl)]bis(dithiophosphate) (93819-94-4)

Persistence and degradability : Not rapidly degradable

### 12.3. Bioaccumulative potential

#### distillates (petroleum), solvent-dewaxed light paraffinic; baseoil -unspecified (64742-56-9)

Partition coefficient n-octanol/water (Log Pow) : 3.9 – 6 IUCLID

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to a hazardous or special waste collection point.  
European List of Waste (LoW, EC 2000/532) : 13 02 05\* - mineral-based non-chlorinated engine, gear and lubricating oils  
HP Code : HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                                     | IMDG           | IATA           | ADN            | RID            |
|---|----------------|----------------|----------------|----------------|
| <b>14.1. UN number or ID number</b>     |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available  |                |                |                |                |

#### 14.6. Special precautions for user

##### Overland transport

Not applicable

##### Transport by sea

Not applicable

##### Air transport

Not applicable

##### Inland waterway transport

Not applicable

##### Rail transport

Not applicable

#### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

### SECTION 15: Regulatory information

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

##### EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

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### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### National regulations

#### United Kingdom

British National Regulations : GB MCL (Mandatory Classification and Labelling).

## 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Data sources : ECHA (European Chemicals Agency). REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Supplier's safety documents.

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Aquatic Chronic 2                   | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| EUH210                              | Safety data sheet available on request.                           |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1                     |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                     |
| H315                                | Causes skin irritation.   |
| H318                                | Causes serious eye damage.  |
| H319                                | Causes serious eye irritation.                                    |
| H411                                | Toxic to aquatic life with long lasting effects.                  |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                             |

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| Full text of use descriptors |  |
|------------------------------|--|
| ERC4                         | Use of non-reactive processing aid at industrial site (no inclusion into or onto article)  |
| ERC7                         | Use of functional fluid at industrial site   |
| PC17                         | Hydraulic Fluids   |
| PC24                         | Lubricants, greases, release products  |
| PROC1                        | Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions |
| PROC8b                       | Transfer of substance or mixture (charging and discharging) at dedicated facilities  |
| SU3                          | Industrial uses: Uses of substances as such or in preparations at industrial sites   |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.