



# AEROSPEC 400

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 05/06/2020 Revision date: 27/04/2022 Version: 8.1

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : AEROSPEC 400  
UFI : YT40-70AQ-5002-FGMT

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use  
Industrial/Professional use spec : Industrial  
For professional use only  
Use of the substance/mixture : Lubricants, Greases and Release Products

##### 1.2.2. Uses advised against

No additional information available

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

##### Manufacturer

ROCOL a division of ITW Ltd  
Rocol House Wakefield Rd, Swillington  
LS26 8BS Leeds – West Yorkshire  
United Kingdom  
T +44 (0)113 232 2600  
[customer.service@rocol.com](mailto:customer.service@rocol.com) - [www.rocol.com](http://www.rocol.com)

#### 1.4. Emergency telephone number

Emergency number : +44 (0)113 232 2600

### 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]

EUH-statements : EUH208 - Contains Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. para-, calcium salts. May produce an allergic reaction.

#### 2.3. Other hazards

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

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 is 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 %

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name   | Product identifier   | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|---------|---|
| PAO  | CAS-No.: 68037-01-4<br>EC-No.: 500-183-1<br>REACH-no: 01-2119486452-34 | ≥ 70    | Not classified  |
| LITHIUM 12 HYDOXYSTEARATE  | CAS-No.: 7620-77-1<br>EC-No.: 231-536-5<br>REACH-no: 01-2119970893-23  | 10 – 15 | Not classified  |
| DILITHIUM SEBACATE   | CAS-No.: 19370-86-6<br>EC-No.: 242-999-8<br>REACH-no: 01-2120119384-60 | 2.4 – 5 | Acute Tox. 4 (Oral), H302                                       |
| N-PHENYL-1,1,3,3-TETRAMETHYLBUTYLNAPHTHALEN-1-AMINE  | CAS-No.: 51772-35-1<br>EC-No.: 257-406-8<br>REACH-no: 01-2119972293-33 | 1 – 2.4 | Aquatic Chronic 4, H413   |
| Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. para-, calcium salts | EC-No.: 947-519-7<br>REACH-no: 01-2120765489-36                        | 0.1 – 1 | Skin Sens. 1B, H317   |

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            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.                 |
| First-aid measures after inhalation   | : Allow affected person to breathe fresh air. Allow the victim to rest.   |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. |
| First-aid measures after eye contact  | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.         |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.  |

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

|                  |  |
|------------------|--|
| Symptoms/effects | : Not expected to present a significant hazard under anticipated conditions of normal use. |
|------------------|--|

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

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

No additional information available

### 5.3. Advice for firefighters

- |                                |   |
|--------------------------------|---|
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection.   |

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

- |                      |                                   |
|----------------------|-----------------------------------|
| Emergency procedures | : Evacuate unnecessary personnel. |
|----------------------|-----------------------------------|

#### 6.1.2. For emergency responders

- |                      |  |
|----------------------|--|
| Protective equipment | : Equip cleanup crew with proper protection. |
| Emergency procedures | : Ventilate area.                            |

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

- |                         |   |
|-------------------------|---|
| Methods for cleaning up | : On land, sweep or shovel into suitable containers. Minimise generation of dust. |
|-------------------------|---|

### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- |                               |  |
|-------------------------------|--|
| Precautions for safe handling | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. |
|-------------------------------|--|

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

- |                        |   |
|------------------------|---|
| Storage conditions     | : Keep only in original container. Keep container closed when not in use. |
| Incompatible products  | : Strong bases. Strong acids.   |
| Incompatible materials | : Sources of ignition. Direct sunlight.                                   |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

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### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

No additional information available

### 8.2.2. Personal protection equipment

**Personal protective equipment:**

Avoid all unnecessary exposure.

**Personal protective equipment symbol(s):**



#### 8.2.2.1. Eye and face protection

**Eye protection:**

Chemical goggles or safety glasses

#### 8.2.2.2. Skin protection

**Hand protection:**

Wear protective gloves. Nitrile rubber gloves

#### 8.2.2.3. Respiratory protection

**Respiratory protection:**

Not required for normal conditions of use

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

**Other information:**

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

|                           |                             |
|---------------------------|-----------------------------|
| Physical state            | : Solid                     |
| Colour                    | : brown.                    |
| Odour                     | : Barely perceptible odour. |
| Odour threshold           | : Not available             |
| Melting point             | : Not available             |
| Freezing point            | : Not available             |
| Boiling point             | : Not available             |
| Flammability              | : Non flammable.            |
| Explosive limits          | : Not applicable            |
| Lower explosion limit     | : Not applicable            |
| Upper explosion limit     | : Not applicable            |
| Flash point               | : > 200 °C                  |
| Auto-ignition temperature | : > 200 °C                  |
| Decomposition temperature | : Not available             |
| pH                        | : Not available             |
| pH solution               | : Not available             |
| Viscosity, kinematic      | : Not applicable            |
| Solubility                | : insoluble in water.       |

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|   |                  |
|---|------------------|
| 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                                | : ≈ 0.87         |
| Relative vapour density at 20 °C                | : Not applicable |
| Particle size                                   | : Not available  |
| Particle size distribution                      | : Not available  |
| Particle shape                                  | : Not available  |
| Particle aspect ratio                           | : Not available  |
| Particle aggregation state                      | : Not available  |
| Particle agglomeration state                    | : Not available  |
| Particle specific surface area                  | : Not available  |
| Particle dustiness                              | : Not available  |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

VOC content : 0 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

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

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

#### PAO (68037-01-4)

|                       |  |
|-----------------------|--|
| LD50 dermal rat       | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LC50 Inhalation - Rat | > 5.2 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)      |

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| N-PHENYL-1,1,3,3-TETRAMETHYLBUTYLNAPHTHALEN-1-AMINE (51772-35-1) |  |
|--|--|
| LD50 oral rat  | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity), Guideline: other:Japan MAFF 8147, Guideline: other:Commission Regulation (EC) No 440/2008  |
| LD50 dermal rat  | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity), Guideline: other:Commission Regulation (EC) No 440/2008, Guideline: other:Japan MAFF 8147   |
| LITHIUM 12 HYDOXYSTEARATE (7620-77-1)                            |  |
| LD50 oral rat  | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)   |
| LD50 dermal rat  | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))   |
| LD50 dermal  | > 3000 mg/kg   |
| DILITHIUM SEBACATE (19370-86-6)                                  |  |
| LD50 oral rat  | 300 – 2000 mg/kg   |
| LD50 dermal rat  | > 2000 µl/kg   |
| Skin corrosion/irritation  | : Not classified   |
| Additional information   | : Based on available data, the classification criteria are not met   |
| PAO (68037-01-4)   |  |
| pH   | 7  |
| N-PHENYL-1,1,3,3-TETRAMETHYLBUTYLNAPHTHALEN-1-AMINE (51772-35-1) |  |
| pH   | Approx. 7  |
| Serious eye damage/irritation                                    | : Not classified   |
| Additional information   | : Based on available data, the classification criteria are not met   |
| PAO (68037-01-4)   |  |
| pH   | 7  |
| N-PHENYL-1,1,3,3-TETRAMETHYLBUTYLNAPHTHALEN-1-AMINE (51772-35-1) |  |
| pH   | Approx. 7  |
| Respiratory or skin sensitisation                                | : Not classified   |
| Additional information   | : Based on available data, the classification criteria are not met   |
| Germ cell mutagenicity   | : Not classified   |
| Additional information   | : Based on available data, the classification criteria are not met   |
| Carcinogenicity  | : Not classified   |
| Additional information   | : Based on available data, the classification criteria are not met   |
| Reproductive toxicity  | : Not classified   |
| Additional information   | : Based on available data, the classification criteria are not met   |
| STOT-single exposure   | : Not classified   |
| Additional information   | : Based on available data, the classification criteria are not met   |
| STOT-repeated exposure   | : Not classified   |
| Additional information   | : Based on available data, the classification criteria are not met   |
| N-PHENYL-1,1,3,3-TETRAMETHYLBUTYLNAPHTHALEN-1-AMINE (51772-35-1) |  |
| NOAEL (oral, rat, 90 days)                                       | 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:The United States Environmental Protection Agency (EPA) Health Effects Test Guidelines, OPPTS 870.3650, Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test, July 2000. |
| Aspiration hazard  | : Not classified   |

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

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

#### 11.2.2. 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

#### N-PHENYL-1,1,3,3-TETRAMETHYLBUTYLNAPHTHALEN-1-AMINE (51772-35-1)

|                                    |   |
|------------------------------------|---|
| LC50 - Fish [1]                    | > 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)                   |
| EC50 - Crustacea [1]               | > 100 mg/l Test organisms (species): Daphnia magna  |
| EC50 - Other aquatic organisms [1] | > 100 mg/l  |
| EC50 72h - Algae [1]               | > 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |

#### LITHIUM 12 HYDOXYSTEARATE (7620-77-1)

|                 |             |
|-----------------|-------------|
| LC50 - Fish [1] | > 2000 mg/l |
|-----------------|-------------|

#### DILITHIUM SEBACATE (19370-86-6)

|                      |            |
|----------------------|------------|
| LC50 - Fish [1]      | > 100 mg/l |
| EC50 - Crustacea [1] | ≥ 100 mg/l |
| EC50 72h - Algae [1] | 23 mg/l    |

### 12.2. Persistence and degradability

#### AEROSPEC 400

|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

### 12.3. Bioaccumulative potential

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|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

### 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

Additional information : Avoid release to the environment.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment.

### 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 regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.2. UN proper shipping name</b>    |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b> |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available  |               |               |               |               |

#### 14.6. Special precautions for user

##### Overland transport

Not regulated

##### Transport by sea

Not regulated

##### Air transport

Not regulated

##### Inland waterway transport

Not regulated

##### Rail transport

Not regulated

#### 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

##### 15.1.1. EU-Regulations

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

Contains no REACH substances with Annex XVII restrictions



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### REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

### REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

### PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

### POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

### Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

### VOC Directive (2004/42)

VOC content : 0 g/l

### Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 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 drug precursors)

### 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Data sources : 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.

Other information : None.

| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4  |
| Aquatic Chronic 4                   | Hazardous to the aquatic environment – Chronic Hazard, Category 4  |
| EUH208                              | Contains Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. para-, calcium salts. May produce an allergic reaction. |
| H302                                | Harmful if swallowed.  |
| H317                                | May cause an allergic skin reaction.   |
| H413                                | May cause long lasting harmful effects to aquatic life.  |
| Skin Sens. 1B                       | Skin sensitisation, category 1B  |

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.