



# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/5

## OPUS EDM DIELECTRIC FLUID

Revision 3

Revision date 2017-07-18

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

#### 1.1. Product identifier

|              |                           |
|--------------|---------------------------|
| Product name | OPUS EDM DIELECTRIC FLUID |
| EC No.       | 926-141-6                 |

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

|             |  |
|-------------|--|
| Product Use | [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU17] General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment; [PC14] Metal surface treatment products, including galvanic and electroplating products; |
|-------------|--|

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

|                                       |                                       |
|---------------------------------------|---------------------------------------|
| Company                               | Ferguson & Menzies Ltd                |
| Address                               | 312 Broomloan Road<br>Glasgow G51 2JW |
| Web                                   | www.fergusonmenzies.co.uk             |
| Telephone                             | 0141-445 3555                         |
| Fax                                   | 0141-425 1079                         |
| Email                                 | info@fergusonmenzies.co.uk            |
| Email address of the competent person | info@fergusonmenzies.co.uk            |

#### 1.4. Emergency telephone number


|                            |                                |
|----------------------------|--------------------------------|
| Emergency telephone number | 0141-445-3555<br>09.00 - 17.00 |
|----------------------------|--------------------------------|

### SECTION 2: Hazards identification

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

|                                      |  |
|--------------------------------------|--|
| 2.1.1. Classification - 67/548/EEC   | Xn; R65<br>Symbols: Xn: Harmful.             |
| Main hazards                         | Harmful: may cause lung damage if swallowed. |
| 2.1.2. Classification - EC 1272/2008 | Asp. Tox. 1: H304;                           |

#### 2.2. Label elements

|                                   |  |
|-----------------------------------|--|
| Hazard pictograms                 |                                   |
| Signal Word                       | Danger   |
| Hazard Statement                  | Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.  |
| Precautionary Statement: Response | P301+P310 - IF SWALLOWED: IF SWALLOWED: Immediately call a POISON CENTER/doctor/ .<br>P331 - Do NOT induce vomiting. |

## OPUS EDM DIELECTRIC FLUID

Revision 3

Revision date 2017-07-18

## 2.2. Label elements

|                                      |   |
|--------------------------------------|---|
| Precautionary Statement:<br>Storage  | P405 - Store locked up.                 |
| Precautionary Statement:<br>Disposal | P501 - Dispose of contents/container to |

## SECTION 3: Composition/information on ingredients

## 3.1. Substances

## 67/548/EEC / 1999/45/EC

| Chemical Name  | Index No. | CAS No. | EC No.    | REACH Registration Number | Conc. (%w/w) | Classification | M-factor. |
|--|-----------|---------|-----------|---------------------------|--------------|----------------|-----------|
| Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclic, <2% aromatics |           |         | 926-141-6 |                           | 90 - 100%    | Xn; R65        |           |

## EC 1272/2008

| Chemical Name  | Index No. | CAS No. | EC No.    | REACH Registration Number | Conc. (%w/w) | Classification     | M-factor. |
|--|-----------|---------|-----------|---------------------------|--------------|--------------------|-----------|
| Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclic, <2% aromatics |           |         | 926-141-6 |                           | 50 - 100%    | Asp. Tox. 1: H304; |           |

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

|              |   |
|--------------|---|
| Inhalation   | Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache. Move the exposed person to fresh air. Seek medical attention.  |
| Eye contact  | May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.   |
| Skin contact | May cause irritation to skin. May cause dermatitis. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.   |
| Ingestion    | Harmful if swallowed. Ingestion may cause nausea and vomiting. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label. |

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

|              |                                    |
|--------------|------------------------------------|
| Inhalation   | Coughing, difficulty in breathing. |
| Skin contact | Itching.                           |
| Ingestion    | Headache, nausea and vomiting.     |

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

|              |   |
|--------------|---|
| Inhalation   | Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. |
| Skin contact | If skin irritation or rash occurs: Get medical advice/attention.                                |

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

|  |   |
|--|---|
|  | Use as appropriate: Carbon dioxide (CO2), Dry chemical, Foam. |
|--|---|

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

|  |   |
|--|---|
|  | Burning produces irritating, toxic and obnoxious fumes. |
|--|---|

## 5.3. Advice for firefighters

|  |   |
|--|---|
|  | Self-contained breathing apparatus. Wear protective clothing. |
|--|---|

## SECTION 6: Accidental release measures

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

|  |  |
|--|--|
|  | Ensure adequate ventilation of the working area. Wear suitable protective equipment. |
|--|--|

## 6.2. Environmental precautions

# OPUS EDM DIELECTRIC FLUID

Revision 3

Revision date 2017-07-18

## 6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

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

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

## 6.4. Reference to other sections

See section 8 for further information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

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

Keep in a cool, dry, well ventilated area. Keep containers tightly closed.

### 7.3. Specific end use(s)

See section 1.2 for further information.

## SECTION 8: Exposure controls/personal protection

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

#### 8.2.2. Individual protection measures

Wear chemical protective clothing.

#### Eye / face protection

Approved safety goggles.

#### Skin protection - Handprotection

Chemical resistant gloves (PVC).

#### Respiratory protection

Self-contained breathing apparatus. Wear protective clothing.

## SECTION 9: Physical and chemical properties

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

|             |                 |
|-------------|-----------------|
| Appearance  | Liquid          |
| Colour      | Clear           |
| Odour       | Odourless       |
| Flash point | 77 °C           |
| Viscosity   | 1.73 cSt @ 40°C |

### 9.2. Other information

Specific gravity 0.8 g/cm<sup>3</sup>

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

Heat, sparks and open flames.

# OPUS EDM DIELECTRIC FLUID

Revision 3

Revision date 2017-07-18

## 10.5. Incompatible materials

|  |                          |
|--|--------------------------|
|  | Strong oxidising agents. |
|--|--------------------------|

## 10.6. Hazardous decomposition products

|  |  |
|--|--|
|  | Do not breathe gas/fumes/vapour/spray. |
|--|--|

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|  |  |
|--|--|
|  | Repeated or prolonged exposure may cause dermatitis. |
|--|--|

#### 11.1.4. Toxicological Information

|  |                   |
|--|-------------------|
|  | No data available |
|--|-------------------|

## SECTION 12: Ecological information

### 12.1. Toxicity

|  |                   |
|--|-------------------|
|  | No data available |
|--|-------------------|

### 12.2. Persistence and degradability

|  |                            |
|--|----------------------------|
|  | Not readily biodegradable. |
|--|----------------------------|

## SECTION 13: Disposal considerations

### General information

|  |   |
|--|---|
|  | Dispose of in compliance with all local and national regulations. |
|--|---|

### Disposal methods

|  |  |
|--|--|
|  | Contact a licensed waste disposal company. |
|--|--|

### Disposal of packaging

|  |   |
|--|---|
|  | Dispose of in compliance with all local and national regulations. |
|--|---|

## SECTION 14: Transport information

### 14.1. UN number

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

### 14.2. UN proper shipping name

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

### 14.3. Transport hazard class(es)

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

### 14.4. Packing group

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

### 14.5. Environmental hazards

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

### 14.6. Special precautions for user

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

## SECTION 15: Regulatory information

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

|  |  |
|--|--|
|  | COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, |
|--|--|

# OPUS EDM DIELECTRIC FLUID

Revision 3

Revision date 2017-07-18

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

|  |   |
|--|---|
|  | amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. |
|--|---|

## SECTION 16: Other information

### Other information

|  |  |
|--|--|
| Revision                               | This document differs from the previous version in the following areas:.<br>1 - CAS No.<br>1 - EC No.<br>1 - Index No. |
| Text of risk phrases in Section 3      | R65 - Harmful: may cause lung damage if swallowed.   |
| Text of Hazard Statements in Section 3 | Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.  |

### Further information

|  |  |
|--|--|
|  | The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. |
|--|--|