

## HEAT TRANSFER OIL 32

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

#### 1.1 - Product identifier

Trade name/designation HEAT TRANSFER OIL 32

Chemical name

Product-type Mixture

Product code 21740

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

Relevant identified uses - Industrial oil

Uses advised against - The uses are provided in Section 1.2. Other uses are not recommended unless a risk assessment is carried out, prior to commencement of that use, which demonstrates that the is safe.

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

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#### 1.4 - Emergency telephone number

- National Poisons Information Service of England: <http://npis.org> -  
NHS 111: dial 111 United Kingdom

- Company phone number (see section 1.3).

### SECTION 2: Hazards identification

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

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

|                |                |
|----------------|----------------|
| Not Classified | Not classified |
|----------------|----------------|

#### 2.2 - Label elements

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

|                          |   |      |
|--------------------------|---|------|
| Signal word              | : | None |
| Pictograms               | : | None |
| Hazard statements        | : | None |
| Precautionary statements | : | None |
| EUH-phrases              | : | None |

#### 2.3 - Other hazards

### SECTION 3: Composition / information on ingredients

#### 3.1 - Substances

Not applicable

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### 3.2 - Mixtures

#### SECTION 4: First aid measures

##### 4.1 - Description of first aid measures

- Following skin contact - No information available.
- After eye contact - Rinse immediately carefully and thoroughly with eye-bath or water.
- After ingestion - When in doubt or if symptoms are observed, get medical advice.

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

- Symptoms and effects - Following inhalation - No information available.
- Symptoms and effects - Following skin contact - No data available.
- Symptoms and effects - After eye contact - No information available.
- Symptoms and effects - After ingestion - No information available.

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

- No information available.

#### SECTION 5: Firefighting measures

##### 5.1 - Extinguishing media

- Suitable extinguishing media - ABC-powder  
- Water mist  
- Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media - Strong water jet

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

- Special hazards arising from the substance or mixture - No data available.
- Hazardous decomposition products - No data available.

##### 5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.

#### SECTION 6: Accidental release measures

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

- For non-emergency personnel - Use personal protection equipment.  
- Provide adequate ventilation.

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- For emergency responders
- Provide adequate ventilation.
  - Use personal protection equipment.

### 6.2 - Environmental precautions

- No information available.

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

- Methods and material for containment
- No information available.

- Methods and material for cleaning up
- Absorb with liquid-binding material ( e.g. sand, diatomaceous earth, acid- or universal binding agents).
  - Ventilate affected area.

- Inappropriate techniques
- No information available.

### 6.4 - Reference to other sections

- Disposal: See section 13
- Personal protection equipment: see section 8
- Safe handling: See section 7

## SECTION 7: Handling and storage

### 7.1 - Precautions for safe handling

- Recommendation
- No information available.

- Advices on general occupational hygiene
- No information available.

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

- Keep/store only in original container.

### 7.3 - Specific end use(s)

- Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1 - Control parameters

- No data available.

### 8.2 - Exposure controls

- Appropriate engineering controls
- No information available.

- Individual protection measures, such as personal protective equipment
- Lab coat.
  - Spectacles.



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Environmental exposure controls - No data available.

### SECTION 9: Physical and chemical properties

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

| <u>Physical state</u><br><u>Colour</u> | Liquid<br>yellow | <u>Appearance</u><br><u>Odour</u>                                       | Liquid<br>characteristic |
|----------------------------------------|------------------|-------------------------------------------------------------------------|--------------------------|
| Odour threshold                        |                  | No information available.                                               |                          |
| pH                                     |                  | No information available.                                               |                          |
| Melting point                          |                  | No information available.                                               |                          |
| Freezing point                         |                  | No information available.                                               |                          |
| Boiling point                          |                  | No information available.                                               |                          |
| Flash point                            |                  | 220 °C<br>Open vase                                                     |                          |
| Evaporation rate                       |                  | No information available.                                               |                          |
| flammability                           |                  | Not relevant.                                                           |                          |
| Lower explosion limit                  |                  | No information available.                                               |                          |
| Upper explosion limit                  |                  | No information available.                                               |                          |
| Vapour pressure                        |                  | No information available.                                               |                          |
| Vapour density                         |                  | No information available.                                               |                          |
| Relative density                       |                  | No information available.                                               |                          |
| Density                                |                  | 0,87 g/ml<br>@15°C                                                      |                          |
| Solubility (Water)                     |                  | Insoluble<br>Soluble in hydrocarbons.                                   |                          |
| Solubility (Ethanol)                   |                  | No information available.                                               |                          |
| Solubility (Acetone)                   |                  | No information available.                                               |                          |
| Solubility (Organic solvents)          |                  | No information available.                                               |                          |
| Log KOC                                |                  | No information available.                                               |                          |
| Auto-ignition temperature              |                  | No information available.                                               |                          |
| Decomposition temperature              |                  | No information available.                                               |                          |
| Kinematic viscosity                    |                  | 28,8 mm <sup>2</sup> /s < V < 35,2 mm <sup>2</sup> /s<br>(cSt)<br>@40°C |                          |
| Dynamic viscosity                      |                  | No information available.                                               |                          |

#### Particle characteristics

|                       |                   |
|-----------------------|-------------------|
| Particle size         | No data available |
| Dustiness             | No data available |
| Specific surface area | No data available |
| Shape                 | No data available |

#### 9.2 - Other information

|                         |                   |
|-------------------------|-------------------|
| VOC content             | Undetermined      |
| Minimum ignition energy | No data available |
| Conductivity            | No data available |
| Refractive index        | No data available |

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|                          |                   |
|--------------------------|-------------------|
| Solids content           | No data available |
| Surface tension          | No data available |
| Saturation concentration | No data available |

- No data available.

### SECTION 10: Stability and reactivity

#### 10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

#### 10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

#### 10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

#### 10.4 - Conditions to avoid

- Stable under recommended storage and handling conditions.

#### 10.5 - Incompatible materials

- No data available.

#### 10.6 - Hazardous decomposition products

- No data available.

### SECTION 11: Toxicological information

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

Acute toxicity - Not classified

#### Toxicity : Mixture

|                                       |                   |
|---------------------------------------|-------------------|
| LD50 oral (rat)                       | No data available |
| LD50 dermal (rat)                     | No data available |
| LD50 dermal (rabbit)                  | No data available |
| LC50 inhalation gas (rat)             | No data available |
| LC50 inhalation dusts and mists (rat) | No data available |
| LC50 inhalation vapours (rat)         | No data available |

- No data available.

Skin corrosion/irritation - Not classified

- No data available.

Serious eye damage/eye irritation - Not classified

- No data available.

Respiratory or skin sensitisation - Not classified

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|                               |                             |
|-------------------------------|-----------------------------|
|                               | - No data available.        |
| <u>Germ cell mutagenicity</u> | - Not classified            |
|                               | - No data available.        |
| <u>Carcinogenicity</u>        | - Not classified            |
|                               | - No data available.        |
| <u>Reproductive toxicity</u>  | - Not classified            |
|                               | - No data available.        |
| <u>STOT-single exposure</u>   | - Not classified            |
|                               | - No data available.        |
| <u>STOT-repeated exposure</u> | - Not classified            |
|                               | - No data available.        |
| <u>Aspiration hazard</u>      | - Not classified            |
|                               | - No information available. |

### 11.2 - Information on other hazards

- No information available.

## SECTION 12: Ecological information

### 12.1 - Toxicity

#### Toxicity : Mixture

|                                   |                   |
|-----------------------------------|-------------------|
| EC50 48 hr crustacea              | No data available |
| LC50 96 hr fish                   | No data available |
| ErC50 algae                       | No data available |
| ErC50 other aquatic plants        | No data available |
| NOEC chronic fish                 | No data available |
| NOEC chronic crustacea            | No data available |
| NOEC chronic algae                | No data available |
| NOEC chronic other aquatic plants | No data available |

- No data available.

### 12.2 - Persistence and degradability

|                                 |                   |
|---------------------------------|-------------------|
| Biochemical oxygen demand (BOD) | No data available |
| Chemical oxygen demand (COD)    | No data available |
| % of biodegradation in 28 days  | No data available |

- No data available.

### 12.3 - Bioaccumulative potential

|                               |                           |
|-------------------------------|---------------------------|
| Bioconcentration factor (BCF) | No data available         |
| Log KOC                       | No information available. |

- No data available.

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### 12.4 - Mobility in soil

- No data available.

### 12.5 - Results of PBT and vPvB assessment

### 12.6 - Endocrine disrupting properties

- No information available.

### 12.7 - Other adverse effects

- No data available.

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## SECTION 13: Disposal considerations

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### 13.1 - Waste treatment methods

Waste treatment methods - No information available.

Sewage disposal - No information available.

Special precautions for waste treatment - No information available.

Community or national or regional provisions - Dispose of waste according to applicable legislation.

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## SECTION 14: Transport information

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### 14.1 - UN number or ID number

Not applicable

### 14.2 - UN proper shipping name

Not applicable

### 14.3 - Transport hazard class(es)

Not applicable

### 14.4 - Packing group

Not applicable

### 14.5 - Environmental hazards

Not applicable

### 14.6 - Special precautions for user

Not applicable

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

Not applicable

- Not applicable.

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## SECTION 15: Regulatory information

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

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Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content No data available

### 15.2 - Chemical Safety Assessment

## SECTION 16: Other information

### SDS versions

| Version | Issue date | Author | Description of the amendments             |
|---------|------------|--------|-------------------------------------------|
| 6       | 17/02/2025 |        | Updated according to current legislation. |
| 5       | 13/04/2016 |        | Updated according to current legislation. |
| 1       | 17/06/2011 |        | It was prepared for the first time.       |

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Certificate Date. 17.02.2025 - Certificate valid for 5 years)

### Abbreviations and acronyms

- ADR: The Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE: Acute Toxicity Estimate.
- LC50: Lethal Concentration to 50 % of a test animals.
- LOEC: Lowest Observed Effect Concentration.
- LD50: Lethal Dose to 50% of a test animals.
- LOEL: Lowest Observed Adverse Effect Level.
- DNEL: Derived no-effect level.
- EC50: Effective concentration of the substance that causes adverse effects in 50% of test animals.
- IATA: International Air Transport Association.
- IMDG: International Maritime Dangerous Goods.
- EC No: European Community number
- NOEC: No Observed Effect Concentration.
- NOEL: No observable effect level.
- CAS No.: Chemical Abstracts Service number.
- ICAO: International Civil Aviation Organization
- PBT: Persistent, Bioaccumulative and Toxic.
- PNEC: Predicted no-effect concentration.
- RID: International Carriage of Dangerous Goods by Rail.
- STEL: Short-term exposure limit
- TWA: Time weighted average
- OEL: Occupational exposure limit.
- vPvB: very Persistent and very Bioaccumulative.

### Texts of the regulatory sentences

|                |                |
|----------------|----------------|
| Not Classified | Not classified |
|----------------|----------------|



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## HEAT TRANSFER OIL 32

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The information provided in this Safety Data Sheet (SDS) is current on the date the SDS was prepared or revised. Implementation of measures that are provided on SDS is under downstream user companies' responsibility. Downstream users may change the measures in the SDS according to the conditions in their own business.

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