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

1.1 Product identifier
   Trade name
   Tungsten-tin-surcharge

1.2 Relevant identified uses of the substance or mixture and uses advised against
   Relevant identified uses of the substance or mixture
   chemical analysis
   Uses advised against
   No data available.

1.3 Details of the supplier of the safety data sheet
   Address
   ELTRA GmbH
   Retsch-Allee 1-5
   42781 Haan
   GERMANY
   Telephone no. +49 (0) 2104 23 33-400
   Fax no. +49 (0) 2104 23 33-499
   Information provided by / telephone
   +49 (0) 2104 23 33-192
   Advice on Safety Data Sheet
   info@eltra.com

1.4 Emergency telephone number
   For medical advice (in German and English):
   +49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
   Classification information
   This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements
   Not relevant

2.3 Other hazards
   No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances
   Not applicable. The product is not a substance.

3.2 Mixtures
   Hazardous ingredients
   This product does not contain substances to be mentioned according to EU Regulation No 1907/2006 (REACH), annex II.

SECTION 4: First aid measures

4.1 Description of first aid measures
   General information
   In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes and launder thoroughly before reusing.
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**Replaced version:** 2.0.0, issued: 22.08.2018  
**Region:** GB

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**
- **Suitable extinguishing media**  
  Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.
- **Unsuitable extinguishing media**  
  No data available.

**5.2 Special hazards arising from the substance or mixture**
In case of fires, hazardous combustion gases are formed: Nitrogen oxides (NOx)

**5.3 Advice for firefighters**
Use self-contained breathing apparatus. Run-off water from fire fighting must not be discharged into drains or enter surface water. Wear protective clothing.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**
- **For non-emergency personnel**  
  Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid dust formation.
- **For emergency responders**  
  No data available. Personal protective equipment (PPE) - see Section 8.

**6.2 Environmental precautions**
Do not discharge into surface waters/groundwater. Do not discharge into the subsoil/soil.

**6.3 Methods and material for containment and cleaning up**
Take up mechanically. Send in suitable containers for recovery or disposal.

**6.4 Reference to other sections**
No data available.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**
- **Advice on safe handling**  
  Provide good ventilation at the work area (local exhaust ventilation, if necessary). Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far as it is possible by the state of the art.
- **General protective and hygiene measures**  
  Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke during work time. Wash hands before breaks and after work. Remove soiled or soaked clothing immediately. Avoid contact with eyes and skin. Do...
not inhale dust. Provide eye wash fountain in work area.

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

#### Technical measures and storage conditions
Keep container tightly closed and dry in a cool, well-ventilated place.

#### Requirements for storage rooms and vessels
Always keep in containers of same material as the original. Containers which are opened must be carefully closed and kept upright to prevent leakage.

### 7.3 Specific end use(s)
No data available.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters
No parameters available for monitoring.

#### 8.2 Exposure controls

**Appropriate engineering controls**
No data available.

**Personal protective equipment**

**Respiratory protection**
If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust, aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

**Eye / face protection**
Safety glasses (EN 166)

**Hand protection**
Sufficient protection is given when wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific workstation suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer’s instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

**Other**
Normal chemical work clothing.

**Environmental exposure controls**
No data available.

### SECTION 9: Physical and chemical properties

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form/Colour</strong></td>
<td>solid</td>
</tr>
<tr>
<td></td>
<td>grey</td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Odour threshold</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>pH value</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Boiling point / boiling range</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Melting point / melting range</strong></td>
<td>Value &gt;= 232 °C</td>
</tr>
</tbody>
</table>

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Decomposition point / decomposition range
No data available

Flash point
Not applicable

Auto-ignition temperature
No data available

Oxidising properties
No data available

Explosive properties
No data available

Flammability (solid, gas)
No data available

Lower flammability or explosive limits
No data available

Upper flammability or explosive limits
No data available

Vapour pressure
No data available

Vapour density
No data available

Evaporation rate
No data available

Relative density
No data available

Density
Value: 14.5 - 16.0 g/cm³

Solubility in water
Comments: insoluble

Solubility(ies)
No data available

Partition coefficient: n-octanol/water
No data available

Viscosity
No data available

9.2 Other information
Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available.

10.2 Chemical stability
Stable if stored and handled properly.

10.3 Possibility of hazardous reactions
Hazardous reactions possible with Oxdationsmitteln and acids.

10.4 Conditions to avoid
No data available.
10.5 Incompatible materials
   strong oxidizing agents; strong acids; strong bases

10.6 Hazardous decomposition products
   No data available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute oral toxicity</th>
<th>No data available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute dermal toxicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Acute inhalational toxicity</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation

<table>
<thead>
<tr>
<th>No Product Name</th>
<th>Tungsten-tin-surcharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaluation</td>
<td>Irritation is possible.</td>
</tr>
</tbody>
</table>

Serious eye damage/irritation

<table>
<thead>
<tr>
<th>No Product Name</th>
<th>Tungsten-tin-surcharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaluation</td>
<td>Irritation is possible.</td>
</tr>
</tbody>
</table>

Respiratory or skin sensitisation

<table>
<thead>
<tr>
<th>No Product Name</th>
<th>Tungsten-tin-surcharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Route of exposure</td>
<td>respiratory tract</td>
</tr>
<tr>
<td>Comments</td>
<td>sensitisation possible.</td>
</tr>
</tbody>
</table>

Germ cell mutagenicity

| No data available |

Reproduction toxicity

| No data available |

Carcinogenicity

| No data available |

STOT - single exposure

| No data available |

STOT - repeated exposure

| No data available |

Aspiration hazard

| No data available |

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact may cause mechanical irritation through dust particles.

Other information

Exercise customary precautions when handling chemicals.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)

| No data available |
Toxicity to fish (chronic)
No data available

Toxicity to Daphnia (acute)
No data available

Toxicity to Daphnia (chronic)
No data available

Toxicity to algae (acute)
No data available

Toxicity to algae (chronic)
No data available

Bacteria toxicity
No data available

12.2 Persistence and degradability
No data available.

12.3 Bioaccumulative potential
No data available.

12.4 Mobility in soil
No data available.

12.5 Results of PBT and vPvB assessment
No data available.

12.6 Other adverse effects
No data available.

12.7 Other information
Do not let enter the product into drains or waterways and do not store on public depositaries.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Product
Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging
Packaging that cannot be cleaned should be disposed off as product waste. Uncontaminated packaging may be taken for recycling.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN
The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG
The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA
The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information
No data available.

14.5 Environmental hazards
Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user
No data available.
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### SECTION 15: Regulatory information

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

**EU regulations**

  According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

- **REACH candidate list of substances of very high concern (SVHC) for authorisation**
  According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in Annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and Article 59 of REACH (EC) 1907/2006.

  According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances requiring authorisation as listed on Annex XVII of the REACH regulation (EC) 1907/2006.

- **Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**
  This product is not subject to Part 1 or 2 of Annex I.

**Other regulations**

- Adhere to the national sanitary and occupational safety regulations when using this product.

#### 15.2 Chemical safety assessment

No data available.

### SECTION 16: Other information

**Further information**

- Article no. 88600-0010, 750 g

**Sources of key data used to compile the data sheet:**

- National Threshold Limit Values of the corresponding countries as amended in each case.
- Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.
- The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

**Department issuing safety data sheet**

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