**Safety Data Sheet**  
**SDS created:** 04-01-2019

### 1 - Identification of substance and manufacturer

**Axon catalogue ID**  
1507

**Product name**  
TMI 005

**IUPAC name**  
(S)-N-Hydroxy-4-(4-hydroxybut-2-ynyloxy)phenylsulfonyl)-2,2-dimethylthiomorpholine-3-carboxamide

**Manufacturer's name**  
Axon Medchem BV

**Emergency Telephone number**  
+31 (0)50 311 8007

---

### 2 - Hazards identification

<table>
<thead>
<tr>
<th>Route of entry</th>
<th>GHS Pictogram</th>
<th>Potential health effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin contact</td>
<td>S36/S37/S39</td>
<td>Wear appropriate protective clothing, gloves and eye/face protection.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>S24/S25</td>
<td>Avoid any inhalation, contact with skin and eyes.</td>
</tr>
<tr>
<td>Digestion</td>
<td>S22</td>
<td>Do not breathe dust.</td>
</tr>
</tbody>
</table>

---

### 3 - Information on ingredients

<table>
<thead>
<tr>
<th>Hazardous ingredient</th>
<th>CAS number</th>
<th>Concentration</th>
<th>LD-50 of ingredient</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMI 005</td>
<td>287405-51-0</td>
<td>99.5%</td>
<td>No data available</td>
</tr>
</tbody>
</table>

---

### 4 - First Aid Measures

- **Skin contact:** Wash with copious amounts of water for at least 15 minutes. Remove contaminated clothing.
- **Eye contact:** Rinse with copious amounts of water for at least 15 minutes as a precaution.
- **Inhalation:** Transfer victim to an un-effected area and monitor breathing. If breathing becomes difficult administer oxygen. If breathing stops give artificial respiration.
- **Ingestion:** Rinse mouth out with copious amounts of water, contact a physician.

---

### 5 - Fire Fighting Measures

- **Extinguishing media appropriate to the surrounding fire conditions:** Wear protective clothing to prevent contact with skin, eyes, and respiratory system.

---

### 6 - Accidental Release Measures

- **Wear appropriate protective clothing.** Vacuum or sweep up dry material and dispose in an appropriate container as described under Disposal Conditions. Avoid raising dust.
- **Absorb solutions with finely-powdered liquid-binding material.** After removal, ventilate and decontaminate surfaces and equipment with alcohol. Dispose of contaminated materials.

---

### 7 - Handling and Storage

- **Store in a properly sealed container under the storage conditions indicated on the label.**

---

### 8 - Exposure Control / Personal Protection

- **Protective of hands/skin:** Chemical resistant gloves and lab coat
- **Protection of eyes:** Appropriate safety glasses
- **Protection of respiratory system:** Handle in fume hood. Prevent inhalation.

---

### 9 - Physical and chemical properties

- **Appearance:** Off-white solid
- **Melting point:** 130 - 132 °C
- **Chemical purity:** 99.5%
- **Optical purity (ee):** N.A.
- **Solubility in water (mg/mL):** 0.0

---

### 10 - Stability and reactivity

- **Stability:** Stable under normal handling conditions.

---

### 11 - Toxicological information

- **Carcinogenicity:** No data available
- **Mutagenicity:** No data available
- **Teratogenicity:** No data available

---

### 12 - Ecological information

- **Protect from light and heat.** Avoid strong oxidizing agents.

---

### 13 - Disposal considerations

- **Treat as potentially toxic.** Dispose in accordance with local, state, and federal regulations.

---

### 14 - Transport Information

- **US DOT shipping name:** IATA class
  - 2942.00.0000
- **Applicable HS class:** Non-hazardous

---

### 15 - Regulatory Information

<table>
<thead>
<tr>
<th>Hazardous ingredient</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMI 005</td>
<td>287405-51-0</td>
</tr>
</tbody>
</table>

---

### 16 - Other information

The above information is believed to be accurate and represents the best information currently available to us, but does not purport to be complete.

The absence of warning must not, under any circumstance, be taken to mean that no hazard exists.

For research use only by trained personnel.

CAUTION: SUBSTANCE NOT FULLY TESTED