1. Identification of the substance/mixture and of the company/undertaking

1.1. Product Details

Product Name: Encapsulation Epoxy for Photovoltaics and OLEDs
Synonyms: Encapsulation Epoxy, Epoxy Resin
Chemical Name: 7-oxabicyclo[4.1.0]heptan-3-ylmethyl 7-oxabicyclo[4.1.0]heptane-3-carboxylate
Chemical Formula: C14H20O4
Product Code: E132
CAS No.: n/a
EC No.: n/a
REACH No.: A registration number is not available for this substance as the substance or its uses are exempted from registration or the annual tonnage does not require a registration.

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

Identified uses: Laboratory chemicals

1.3. Supplier details

Company Identification: Ossila Limited
Address of Supplier: Solpro Business Park, Windsor Street, Sheffield
Postal Code: S4 7WB, UK
Telephone: 0114 2999 180
Email address: info@ossila.com

2. Hazards identification

2.1. Classification of the substance or mixture

Hazard statements according to Regulation (EC) 1272/2008
Skin Sensit. 1

2.2. Label elements

Regulation (EC) 1272/2008 (CLP)

Hazard Pictogram(s): !
Signal Word(s): Warning

Hazard Statements
H317 May cause an allergic skin reaction

Precautionary statement(s)
P302 + P352 If on skin: Wash with plenty of soap and water for several minutes.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
2.3. Other hazards
None.

3. Composition/Information on ingredients

3.1. Mixtures

<table>
<thead>
<tr>
<th>Hazardous ingredient(s)</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>%W/W</th>
<th>Hazard Statement(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-oxabicyclo[4.1.0]heptan-3-ylmethyl 7-oxabicyclo[4.1.0]heptane-3-carboxylate</td>
<td>2386-87-0</td>
<td>219-207-4</td>
<td>≤ 100</td>
<td>Skin Sensit. 1 (H317)</td>
</tr>
</tbody>
</table>

4. First aid measures

4.1. Description of first aid measures

Inhalation: Remove person to fresh air. If not breathing, give person artificial respiration.

Skin contact: Wash with soap and water.

Eye contact: Flush with copious amounts of water as a precaution.

Ingestion: Rinse out mouth with water.

4.2. Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in section 11.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

5. Fire fighting

5.1. Extinguishing media
Suitable extinguishing media: As appropriate for surrounding fire.

5.2. Special hazards arising from the substance of mixture
May decompose in a fire, giving off toxic and irritant vapours.

5.3. Advice for firefighters
Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Wear personal protective equipment (section 8). Avoid dust formation. Ensure room is well ventilated.

6.2. Environmental precautions
Avoid release to the environment.
6.3. Containment and cleaning
Contain and clean up spill if safe to do so using saw dust or absorbent mats. Dispose of as dry waste in closed container according to local regulations.

7. Handling and storage

7.1. Precautions for safe handling
Avoid contact with eyes, skin, and clothing. Avoid inhalation of vapour during use and curing processes.

7.2. Conditions for safe storage, including any incompatibilities
Store in a cool, dry and well-ventilated place inside of a tightly sealed container. Reseal containers that have been opened and keep upright to prevent leakage.

<table>
<thead>
<tr>
<th>Storage temperature</th>
<th>Ambient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage life</td>
<td>Keep away from sources of heat. Light sensitive. Store in the dark.</td>
</tr>
</tbody>
</table>

7.3. Specific end uses
Use in laboratories.

8. Exposure controls / Personal protection

8.1. Control parameters

8.1.1 Occupational Exposure Limits
Contains no substances with occupational exposure limit values.

8.2. Exposure controls

8.2.1 Engineering measures
Handle in accordance with good industrial engineering/laboratory practices for hygiene and safety. Ensure eyewash stations and safety showers are close to the laboratory workstation. Ensure good general ventilation is present when handling the product.

8.2.2 Personal protective equipment

<table>
<thead>
<tr>
<th>Eye Protection</th>
<th>Wear safety glasses with side-shields conforming to appropriate government standards such as NIOSH (US) or EN166 (EU).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Protection</td>
<td>Wear protective clothing and gloves. Use gloves that satisfy the specifications of your national standards (e.g. EN 374). Wash hands after handling. Wash contaminated clothing after use.</td>
</tr>
<tr>
<td>Respirators:</td>
<td>Where engineering controls is not sufficient, use respirators approved under appropriate government standards such as NIOSH (US) or CEN (EU).</td>
</tr>
</tbody>
</table>

8.2.3 Environmental Exposure Controls
Avoid release to the environment.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Amber liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
</tbody>
</table>
9.2. Other safety information

No data available.

10. Stability and reactivity

10.1 Reactivity
No data available.

10.2. Chemical stability
Stable under normal temperatures and pressures under recommended storage conditions.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid
No data available.

10.5. Incompatible materials
Strong oxidising agents.

10.6. Hazardous decomposition products
No known hazardous decomposition products.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity
No data available.

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/irritation
Causes serious eye irritation.
Respiratory sensitisation
No data available.

Skin sensitisation
No data available.

Germ cell mutagenicity
No data available.

Carcinogenicity
No data available.

Reproductive toxicity
No data available.

STOT - single exposure
No data available.

STOT - repeated exposure
May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard
No data available.

Routes of exposure
Eye contact, ingestion, inhalation, skin contact.

Signs and Symptoms of Exposure
No data available.

11.2 Other information
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological information

12.1. Toxicity
Toxic to aquatic life with long lasting effects.

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
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6. Other adverse effects
No data available.

13. Disposal

13.1. Waste treatment methods
Product
Burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations and directives on waste and hazardous waste. Offer surplus material to a licensed professional waste disposal professional.

**Contaminated packaging**

Dispose of as unused product.

## 14. Transport

Non-hazardous for road, air and sea transport.

**IATA:** Not regulated as a hazardous material.

**IMO:** Not regulated as a hazardous material.

**RID/ADR:** Not regulated as a hazardous material.

## 15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006, the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

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

No data available.

### 15.2 Chemical safety assessment

No chemical safety report/assessment was carried out for this product.

## 16. Other information

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