1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product Name : Tin Oxide Dispersion
Use : Research and Development
Address : Nanoshel LLC
3422 Old Capitol Suit 1305
Willmington DE – 19808
United States
Emergency : +1.532.253.9878

2. COMPOSITION & INFORMATION ON INGREDIENTS

Chemical Characterisation : SnO₂
Hazardous Ingredients : Nil

3. HAZARD IDENTIFICATION

Toxicity : No Data Available
Eye Contact : Dust may cause irritation

4. FIRST AID MEASURES

Skin : Wash skin with soap and copious amounts of water
Eyes : Immediate and prolonged irritation treat with copious amounts of water.
Ingestion : Wash out mouth with water provided person is conscious.
Inhalation : If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen

5. FIREFIGHTING MEASURES

Extinguishing Data : Water Spray
Unsuitable Extinguishing Data : Carbon Dioxide, Dry Chemical Powder, Polymer Foam

Unusual Firefighting Hazards : Capable of creating a dust explosion
Special Firefighting Procedures : Use normal procedures which include wearing self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions : Wear respirator, chemical safety goggles, rubber boots and gloves.
Precautions to the Environment : Sweep up, place in a bag and hold for waste disposal.
Cleanup Procedures : Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Handling Precautions : Chemical Safety Goggles. Compatible with Chemical-resistant Gloves
Storage : Store in a cool dry place.
Unusable Packaging Materials : Wash thoroughly after handling. Irritating dust, Keep tightly closed

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Controls
Personal Protective Equipment
Respiratory : Self-contained breathing apparatus
Hand : Chemical-resistant Gloves
Eye : Avoid contact with eyes
Skin : Wash thoroughly after handling
### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td></td>
</tr>
<tr>
<td>Form</td>
<td>Dispersion</td>
</tr>
<tr>
<td>Colour</td>
<td>Cream White</td>
</tr>
<tr>
<td>Odour</td>
<td>No Odour</td>
</tr>
<tr>
<td>Safety Related Information</td>
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</tr>
<tr>
<td>Flash Point</td>
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<tr>
<td>Boiling Point</td>
<td>&lt;120 °C</td>
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<tr>
<td>Melting Point</td>
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<tr>
<td>pH</td>
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### 10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Stability</td>
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</tr>
<tr>
<td>Reactivity</td>
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</tbody>
</table>

### 11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Health Effects</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>No effect</td>
</tr>
<tr>
<td>Eyes</td>
<td>Irritation</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No Choking Hazard</td>
</tr>
</tbody>
</table>

### 12. ECOLOGICAL IMPACT

Avoid raising dust. Ventilate area and wash spill site after material pickup is complete. No Negative Ecological Impact, Data not Available

### 13. WASTE DISPOSAL

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator, equipped with an afterburner and scrubber

### 14. TRANSPORT INFORMATION (UN ORNEK OLARAK VERİLMİŞTİR)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>HS Code</td>
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<tr>
<td>CAS</td>
<td>21651-19-4</td>
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<tr>
<td>Proper Shipping Name</td>
<td>Tin Oxide Dispersion</td>
</tr>
<tr>
<td>Air Transport (ICAO &amp; IATA)</td>
<td>Dispersion</td>
</tr>
<tr>
<td>Class</td>
<td>Non Hazardous</td>
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<tr>
<td>Packing group</td>
<td>Normal Packing</td>
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</tbody>
</table>
15. OTHER REGULATORY INFORMATION

Federal and State Regulations: TSCA 8(b) inventory: Tin Oxide Dispersion

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada)

DSCL (EEC):
- R36- Irritating to eyes
- S2- Keep out of the reach of children
- S46- If swallowed, seek medical advice immediately & show container or label

HMIS (U.S.A.):
- Health Hazard: 1
- Fire Hazard: 0
- Reactivity: 0
- Personal Protection: E

National Fire Protection Association (U.S.A.):
- Health: 1
- Flammability: 0
- Reactivity: 0
- Specific hazard:

Protective Equipment:
- Gloves.
- Lab coat.
- Dust respirator. Be sure to use an approved/certified respirator or equivalent.
- Splash goggles.

16. OTHER INFORMATION

References: Not available
Other Special Considerations: Not available