SAFETY DATA SHEET

Electrically Conductive Paint

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

1.1 Product identifier

Product name : Electrically Conductive Paint
Product description : Conductive Paint - Silver loaded
Product type : Paint
Other means of identification : Conductive Paint - Silver loaded

1.2 Relevant identified uses of the substance or mixture and uses advised against
Not applicable

1.3 Details of the supplier of the safety data sheet

e-mail address of person : sabya@antsceramics.com
responsible for this SDS

National contact

Ants Ceramics (P) Ltd.
Jivdani Industrial Estate,
Industrial Unit No. 1, Dhumal Nagar,
Vasai East, Maharashtra,
India - 401208

Tel: +91-8600033151 (8am to 8pm)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Flam. Liq. 3, H226
Acute Tox. 2, H330
Skin Irrit. 2, H315
Eye Irrit. 2, H319
STOT SE 3, H336 (Narcotic effects)
Aquatic Acute 1, H400
Aquatic Chronic 1, H410
The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

**Ingredients of unknown toxicity**
Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 77.5%

**Ingredients of unknown cotoxicity**
Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 49.5%

See Section 16 for the full text of the R phrases or H statements declared above.

### 2.2 Label elements

**Hazard pictograms**: ![Pictograms](image)

**Signal word**: Danger

**Hazard statements**:
- Flammable liquid and vapour.
- Fatal if inhaled.
- Causes serious eye irritation.
- Causes skin irritation.
- May cause drowsiness or dizziness.

Very toxic to aquatic life with long lasting effects

### 2.3 Precautionary statements

**Prevention**
Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Avoid release to the environment. Do not breathe vapour.

**Response**
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

**Storage**
Keep cool.

**Disposal**
Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Hazardous ingredients**
Propylene Glycol Diacetate

### 2.3 Special packaging requirements

**Containers to be fitted with child-resistant fastenings**: Not applicable

**Tactile warning of danger**: Not applicable
SECTION 3: Composition/information on ingredients

### 3.1 Precautionary statements

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Identifiers</th>
<th>%</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver</td>
<td>EC: 231-131-3 CAS: 7440-22-4</td>
<td>5</td>
<td>Aquatic Acute 1, H400 Aquatic Chronic 1, H410</td>
</tr>
<tr>
<td>Organic Ester</td>
<td>Proprietary</td>
<td>7</td>
<td>Acute Tox. 4, H312 Acute Tox. 4, H332 Eye Irrit. 2, H319</td>
</tr>
<tr>
<td>Organic Ester</td>
<td>Proprietary</td>
<td>1</td>
<td>Flam. Liq. 3, H225</td>
</tr>
</tbody>
</table>

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

**Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
### 4.1 Description of first aid measures

**Inhalation**
Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Skin contact**
Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Get medical attention. Wash clothing before reuse.

**Ingestion**
Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

---

### SECTION 5: Firefighting measures

**Extinguishing media**
Water spray (fog), foam, dry chemical or carbon dioxide.

**Special firefighting procedures**
Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray.

**Unusual fire or explosion hazards**
Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.

**Hazardous combustion products**
Oxides of carbon. Oxides of Metals in Section 2. Toxic and irritating vapours.

---

### SECTION 6: Accidental release measures

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Environmental precautions**
Water spray (fog), foam, dry chemical or carbon dioxide.

**Clean-up methods**
Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray.
SECTION 7: Handling and storage

**Handling**
Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Refer to Section 8.

**Storage**
Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

SECTION 8: Exposure controls/personal protection

**Engineering controls**
Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

**Respiratory protection**
Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.

**Eye/face protection**
Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.

**Skin protection**
Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

SECTION 9: Physical and chemical properties

**Physical state**
Liquid

**Colour**
Silver

**Odour**
Not available.

**Odour threshold**
Not available.

**pH**
Not available.

**Melting point/freezing point**
Not available.

**Initial boiling point and boiling range**
190 deg Celcius

**Flash point**
Close cup: 86 deg C
Evaporation rate  
$>1$ (butyl acetate $= 1$)

Flammability (solid, gas)  
Not available.

Upper/lower flammability or explosive limits  
Not available.

Vapour pressure  
0.67 kPa [room temperature]

Vapour density  
Not available.

Relative density  
2

Solubility(ies)  
Not available.

Partition coefficient: n-octanol/water  
Not available.

Auto-ignition temperature  
Not available.

Decomposition temperature  
Not available.

Viscosity  
Refer TDS.

Explosive properties  
Not available.

Oxidising properties  
Not available.

**SECTION 10: Stability and reactivity**

Stability  
Stable under normal conditions of storage and use.

Hazardous reactions  
None under normal processing.

Hazardous decomposition products  

Incompatible materials  
Strong oxidizing agents. Strong acids and strong bases.

Reactivity  
Not available.

Conditions to avoid  
High temperatures. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials.

**SECTION 11: Toxicological information**

Relevant routes of exposure  
Skin, Inhalation, Eyes, Ingestion
Potential Health Effects/Symptoms

Inhalation
May cause respiratory tract irritation. Coughing. Shortness of breath.

Skin contact
Causes skin irritation. Argyria (a non-toxic, cosmetic blue-gray discoloration of the skin and mucous membranes that is irreversible)

Eye contact
Causes serious eye irritation. Redness. Tearing.

Ingestion
May cause gastrointestinal tract irritation if swallowed

SECTION 12: Ecological information
Not available.

SECTION 13: Disposal considerations

Recommended method of disposal
Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number
This product contains a component or components identified as hazardous under 40 CFR 261.24. D011: Silver (Check TCLP Level). This product may contain traces of: D018: Benzene (Check TCLP Level).

SECTION 14: Transport information

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
## SECTION 15: Other information

<table>
<thead>
<tr>
<th>Full text of abbreviated H statements</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H226</td>
<td>Flammable liquid and vapour.</td>
</tr>
<tr>
<td>H312</td>
<td>Harmful in contact with skin.</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H330 (inhalation)</td>
<td>Fatal if inhaled.</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled.</td>
</tr>
<tr>
<td>H336 (Narcotic effects)</td>
<td>May cause drowsiness or dizziness.</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life.</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life and long lasting.</td>
</tr>
<tr>
<td>H412</td>
<td>Harmful to aquatic life and long lasting.</td>
</tr>
</tbody>
</table>

**Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.