

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 responsible for this SDS : sabya@antsceramics.com

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 cototoxicity

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



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

Supplemental

label elements

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-1

Product/ingredient name	Identifiers	%	Classification
Silver	EC: 231-131-3 CAS: 7440-22-4	5 0 - 7 5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Propylene Glycol Diacetate	EC: 210-817-6 CAS: 623-84-7	2 0 - 2 5	Flam. Liq. 3, H226 Acute Tox. 2, H330 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H336 (Narcotic effects) Aquatic Chronic 3, H412
Organic Ester	Proprietary	7 - 2 5	Acute Tox. 4, H312 Acute Tox. 4, H332 Eye Irrit. 2, H319
Organic Ester	Proprietary	1 0 - 1 5	Flam. Liq. 3, H225
			See section for the full text of the H statements declared above

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	Oxides of carbon. Hydrocarbons. Irritating organic vapours.
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
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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

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

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.