

# MATERIAL SAFETY DATA SHEET

Electra Polymers & Chemicals Ltd  
Roughway Mill, Dunks Green,  
Tonbridge. Kent.  
Tel +44 01732 811 118 : Fax +44 01732 811 119

## SECTION 1 PRODUCT IDENTIFICATION

**TRADE NAME:** ED7100 Resistor paste.  
**CHEMICAL FAMILY:** Resin solution on organic solvent.  
**FORMULA:** n/a  
**NFPA RATING:** HEALTH = 1 FLAMMABILITY = 1 REACTIVITY = 1 OTHER = 1

## SECTION 2 HAZARDOUS INGREDIENTS

Electra Polymers & Chemicals have identified the following chemical(s) as hazardous:

INGREDIENT	CAS #	WT%	TLV
2-(2 Butoxyethoxy) ethanol.	112-34-5		

## SECTION 3 PHYSICAL DATA

<b>DENSITY:</b> 9.97lbs/gal	<b>FORM:</b> Paste.
<b>SPECIFIC GRAVITY:</b> 1.2	<b>pH:</b> n/a
<b>FREEZING POINT:</b> n/a.	<b>FLASH POINT:</b> 240 degs F (based on solvent)
<b>SOLUBILITY IN WATER:</b> Partially soluble.	<b>VAPOR PRESSURE:</b> 0.002 @ 68 degs F
<b>COLOR:</b> Black.	<b>ODOR:</b> Distinctive.

### NOTE:

## SECTION 4 FIRE & EXPLOSION DATA

**FLASH POINT:** 240 degs F (based on solvent).  
**EXTINGUISHING MEDIA:** Use dry chemical, foam or CO<sub>2</sub> extinguishers. Wear self-contained breathing apparatus and proper protective clothing.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Thermal degradation products may be formed which are acidic or acrid

## SECTION 5 FIRST AID DATA

**EYES:** Irrigate thoroughly with large quantities of water. Seek immediate medical attention.  
**SKIN:** Remove all contaminated clothing. Wash immediately with soap and water. Where irritation develops, seek medical advice. Contaminated clothing should be dry cleaned before reuse.  
**INGESTION:** Obtain medical advice immediately. It is not recommended that vomiting be induced except on medical advice.  
**INHALATION:** Remove from exposure. Keep warm and at rest. Where respiratory distress occurs, give oxygen and obtain medical attention immediately

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## SECTION 6 HEALTH EFFECTS DATA

- EYES:** Irritating to eyes.
- SKIN:** Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis. Unlikely to be absorbed in harmful amounts.
- INGESTION:** May cause irritation to mouth nose and digestive tract.
- INHALATION:** May cause irritation of nose, throat and air passages. Overexposure may cause dizziness, drowsiness, nausea, vomiting and kidney damage.

## SECTION 7 PERSONAL PROTECTIVE DATA

- RESPIRATORY PROTECTION:** Wear a correctly fitted, NIOSH approved, respirator or industrial type canister mask in enclosed areas with poor or no ventilation areas, or where TLV levels are likely to be exceeded.
- VENTILATION:** Good general ventilation is recommended. Local exhaust ventilation is recommended where vapours are likely to be released.
- PROTECTIVE EQUIPMENT:** Wear goggles, gloves, and suitable protective clothing if splashing is likely.

## SECTION 8 TOXICOLOGY DATA

- TOXICITY STUDIES:** Toxicity studies have not been carried out on this material. Toxicity information available for the products listed in section 2 is given below.
- ACUTE ORAL TOXICITY:** Low order of acute toxicity, oral LD<sub>50</sub> (rat) 7300-9600 mg/kg.
- ACUTE DERMAL TOXICITY:** Dermal LD<sub>50</sub> (rabbit) 2800 mg/4h.
- ACUTE RESPIRATORY TOXICITY:** No information available.
- TOXICITY HAZARD REVIEW (THR):** No information available.
- Listed as suspected carcinogen by: **IARC:**                      **NTP:**                      **OSHA:**

## SECTION 9 REACTIVITY DATA

- INCOMPATIBILITY:** Strong oxidising agents.
- HAZARD DECOMPOSITION PRODUCTS:** No data available.
- STABILITY:** Stable under normal conditions.
- CONDITIONS TO AVOID:** High temperatures, exposure to direct sunlight.
- HAZARDOUS POLYMERIZATION:** No data available.

## SECTION 10 SPILL AND DISPOSAL DATA

- SPILL CONTROL AND RECOVERY:** Extinguish all sources of ignition. Try to prevent spills entering drains or water courses. Absorb spills in earth, sand or other absorbent material.
- DISPOSAL:** Dispose of in accordance with local regulations.

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## SECTION 11 TRANSPORTATION DATA

DOT PROPER SHIPPING NAME: Non regulated  
HAZARD CLASS: n/a  
UN/NA #: n/a  
IMO/IATA: n/a  
HAZARD CLASS: n/a

## SECTION 12 GENERAL STORAGE DATA

Material should be stored in the original containers in a cool, dry place. Avoid subjecting containers to temperatures below 5 deg C because of the risk of splitting.

## SECTION 13 REGULATORY DATA

**TOXIC SUBSTANCES CONTROL ACT (TSCA):** The chemical ingredients in this product are listed on the TSCA Inventory.

**MASSACHUSETTS TOXIC SUBSTANCES LIST:** This product does not contain ingredients listed on the Massachusetts Toxic Substances List, besides the substances listed on the HAZARDOUS INGREDIENTS Section.

**CALIFORNIA PROPOSITION 65** This product is not known to contain chemicals listed as being known to the State of California to cause cancer or birth defects or other reproductive harm, under the California Safe Drinking Water & Toxic Enforcement Act of 1986 (Proposition 65).

**Title III of SARA** This product does not contain ingredients listed under Title III of SARA (the Superfund Amendments and Reauthorization Act of 1986).

## SECTION 14 USER NOTIFICATION

To the best of our knowledge the information contained herein is correct. All chemicals present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. Users of any chemical should satisfy themselves that the conditions and methods of use assure that the chemical is used safely. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HERE UNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN OR THE CHEMICAL TO WHICH THE INFORMATION REFERS.