

**MATERIAL SAFETY DATA SHEET**

according to Regulation (EC) No. 1907/2006

**Date of Issue: 19.07.1993**

**Last changes: 13.08.2012**

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**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING:**

**Product identifiers** : ELECTON 40 AC.

**Product class** : Electrically Conductive Lacquer.

**Company:** : AMEPOX MICROELECTRONICS, Ltd.

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Fax.: # (+4842) 632 6957.  
E-mail: [amepox@amepox.com.pl](mailto:amepox@amepox.com.pl)

**Emergency telephone number:** 112

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**2. HAZARDS IDENTIFICATION:**

**Classification of the substance or mixture:**

Irritating to eyes and skin. Flammable. Repeated exposure may cause skin dryness or cracking May cause drowsiness or dizziness.

**Signal word:** Caution!

**Hazard statement(s):**

H226 - Flammable liquid and vapour.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H336 - May cause drowsiness or dizziness.

**Precautionary statement(s):**

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P262 - Do not get in eyes, on skin, or on clothing.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS:**

INGREDIENT S	Symbol or CAS#	CONCENTRATIO N [%]	Number WE	EEC SYMBOL RISK PHRASES
Modified acrylic resin (blended formulation)	9011-14-7	10 - 25%	-	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
Modifiers	Trade Secret	1-5%	-	-

Butyl acetate	123-86-4	5 -20%	204-658-1	R10, R66, R67 S24/25/26
Silver flake	7440-22-4	45- 75%	231-131-3	Xi; R36,R38

#### 4. **FIRST AID MEASURES:**

**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Consult a physician

**In case of skin contact:** Wash off with soap and plenty of water.

**In case of eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water.

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.

#### 5. **FIREFIGHTING MEASURES:**

**Flammability Classification:** This product is combustible, may be ignited by spark, flame or high heating.

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture:** Carbon oxides.

**Advice for firefighters:** Wear self contained breathing apparatus for fire fighting if necessary.

**Further information:** no data available.

#### 6. **ACCIDENTAL RELEASE MEASURES:**

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation

**Methods and materials for containment and cleaning up:** Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

#### 7. **HANDLING AND STORAGE:**

**Safe handling advice:** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

**Conditions for safe storage:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

#### 8. **EXPOSURE CONTROLS/PERSONAL PROTECTION:**

**Hygienic measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator.

**Eye/face protection:** Face shield and safety glasses Use equipment for eye protection.

**Skin protection:** Handle with gloves.

#### 9. **PHYSICAL AND CHEMICAL PROPERTIES:**

Form	- low viscosity paste (25°C).
Colour	- silver.
Odour	- slight.
pH	- no data available.
Boiling point	- 125 - 140°C.
Melting point	- no data available.
Flammability	- classified as combustible.
Density	- 2.5– 2.7 g/cm <sup>3</sup> (25°C).

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Viscosity	- 42 000 – 45 000 cPs
Weight loss	- no data available.
Vapour pressure	- no data available.

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#### **10. STABILITY AND REACTIVITY:**

**Chemical stability:** very good stability in normal conditions at ambient temperature.

**Reactivity:** no data available.

**Possibility of hazardous reactions:** no data available.

**Hazardous decomposition products:** no data available.

**Incompatible materials:** Strong oxidizing agents, strong acids. strong reducing agents, strong bases.

**Conditions to avoid:** Heat, light, flames and sparks.

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#### **11. TOXICOLOGICAL INFORMATION:**

**Skin corrosion/irritation:** May be harmful if absorbed through skin. May cause skin irritation.

**Serious eye damage/eye irritation:** Causes eye irritation.

**Respiratory or skin sensitization:** May be harmful if inhaled. May cause respiratory tract irritation.

**Acute toxicity:** Oral LD-50: not data available.

Inhalation LC-50: not data available.

Dermal LD-50: not data available.

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#### **12. ECOLOGICAL INFORMATION**

This material has not been tested for environmental effects. If recycled, silver is not a waste.

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#### **13. DISPOSAL CONSIDERATION:**

**Product:** Discharge, treatment or disposal may be subject to national or local laws. Dispose via licensed waste disposal contractor. If recycled, silver is not a waste.

**Contaminated packaging:** Dispose of as unused product.

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#### **14. TRANSPORT INFORMATION:**

**Shipping name:** ELECTON ER 40AC

**Transport hazard class**

**Air transport:** ICAO: Not dangerous goods

**Sea transport:** IMDG: Not dangerous goods

**Rail / road transport:** ADR/RID: Not dangerous goods

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#### **15. REGULATORY INFORMATION:**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**European Union Label Statements :** The product should be labeled as follow:

Xi	- Irritants.
F	- flammable.
R10	- flammable.
R36/38	- irritating to eyes and skin
R66	- repeated exposure may cause skin dryness or cracking.
R67	- vapours may cause drowsiness and dizziness.
S24/25	- avoid contact with skin and eyes.
S26	- in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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**16. OTHER INFORMATION:**

**Classification:** The product should be labeled with the requirements of Regulation (EC) - Irritants **(Xi)**, flammable **(F)**.

**Application** : Electrically conductive paste, flexible after drying for making electrical conductivity areas on flexible plastic substrates.

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