



EM Resist Ltd

Specialists in Electron Beam Resist Technology

MATERIAL SAFETY DATA SHEET SML

SECTION 1. CHEMICAL IDENTIFICATION -----

CHEMICAL NAME: Organic Polymer Solution
TRADE NAME: SML Series Resist in Anisole
Positive Electron Beam Resists

SECTION 2. COMPOSITION -----

HAZARDOUS
INGREDIENTS: Anisole (CAS: 100-66-3); 85-99%

SECTION 3. HAZARD DATA -----

INFLAMMABILITY: Flammable liquid.
SKIN CONTACT: May cause skin irritation.
EYE CONTACT: Vapour or mist is irritating to the eyes.
INHALATION: Vapour or mist is irritating to mucous membranes.
MUTAGENICITY: Not known to be mutagenic.
CARCINOGENICITY: Not known to be carcinogenic.
TARGET ORGANS: Eyes, skin, respiratory system and nervous system.

SECTION 4. FIRST AID MEASURES -----

INHALATION: Move the affected away from the contaminated area
INHALATION: Move into the fresh air. Seek medical advice.
INGESTION: Rinse mouth out with water. Seek medical advice.
SKIN CONTACT: Rinse with plenty of water.
EYE CONTACT: Rinse with water while keeping the eyes wide open.

SECTION 5. FIRE FIGHTING MEASURES -----

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide.

SECTION 6. ACCIDENTAL RELEASE PROCEDURES -----

CLEANUP & DISPOSAL OF SPILL: Absorb with an inert absorbent. Use clean, anti static tools to collect absorbed material.
ENVIRONMENTAL: Do not flush to drain.

SECTION 7. STORAGE AND HANDLING PRECAUTIONS -----

STORAGE: Store in a tightly closed container in a dark, cool, dry, well-ventilated environment away from ignition sources.
Do not refrigerate – store at room temperature
Do not expose to direct sunlight for any length of time.

HANDLING: Keep away from heat, sparks, and flames.
Use only with mechanical exhaust.
Do not contact with skin, eyes or clothing.
Do not breathe vapours or mist.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION -----

VENTILATION: General area dilution/exhaust ventilation.

SKIN PROTECTION: PVC/Nitrile protective gloves are highly recommended.

EYE PROTECTION: Safety goggles are highly recommended.

SECTION 9. PHYSICAL AND CHEMICAL DATA -----

APPEARANCE: Green/black coloured liquid.

ODOR: Strong.

BOILING POINT: 154°C (309°F)

EVAPORATION RATE: 0.1 (BuAc=1)

FLASH POINT: 44°C (111°F)

AUTOIGNITION TEMP: 475°C (887°F)

SECTION 10. REACTIVITY DATA -----

STABILITY: Stable

INCOMPATIBILITY: Strong Oxidizing Agents, Strong Acids, Strong Bases

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide, Phenol

SECTION 11. DISPOSAL CONSIDERATIONS -----

Comply with applicable local, state or international regulations regarding the proper disposal of this material and/or containers.

SECTION 12. TRANSPORTATION INFORMATION -----

HAZARD CLASSIFICATION: Flammable Liquid

SHIPPING NAME: Resin Solution

UN NUMBER: UN 1866

PACKING GROUP: III

SECTION 13. REGULATORY INFORMATION -----

EUROPEAN INFORMATION

RISK & SAFETY PHRASES

R10 Flammable.

S16 Keep away from sources of ignition – No smoking.

S24 Avoid contact with skin.

SECTION 14. ADDITIONAL PRECAUTIONS AND COMMENTS -----

To the best of our knowledge, the above information is believed to be accurate but does not claim to be all-inclusive and is intended to be used only as a guide. The supplier and distributor makes no warranty of any kind, expressed or implied, concerning the use of this product and shall not be held liable for any damage resulting from handling or from contact with the above product or any other products. User assumes all risks in regards to its use whether related to the product or not including directly or indirectly.