



MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

TRADE NAME: Digital Epic Photopolymer Plate

SYNONYMS: XCD-114

II. HAZARDOUS COMPONENTS

<u>Components</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Acrylic Ester	* *	NE	NE
Photoinitiator	* *	NE	NE

NA = Not Applicable NE = Not Established

*The specific chemical identity is being withheld as a Trade Secret.
Specific chemical identity will be provided upon request by a physician
or other health-related personnel.

III. PHYSICAL DATA

BOILING POINT: NA

MELTING POINT: NE

SPECIFIC GRAVITY (H₂O=1): 0.98

VAPOR PRESSURE: NA

VAPOR DENSITY (AIR=1): NA

SOLUBILITY IN H₂O: Insoluble

% VOLATILES BY WEIGHT: None

EVAPORATION RATE: NA

APPEARANCE AND ODOR: Partially cured elastomer with black coating contained
between polyester film; gum odor.

IV. FIRE AND EXPLOSION DATA

FLASH POINT: NA

AUTO IGNITION TEMPERATURE: NA

FLAMMABLE LIMITS IN AIR: NA

EXTINGUISHING MEDIA: Carbon dioxide, water.

SPECIAL FIRE FIGHTING PROCEDURES: Use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: Combustion during a fire could generate oxides of carbon. There are no known explosion hazards.

V. REACTIVITY DATA

STABILITY: Product is stable. Temperatures in excess of 400.F can induce thermal decomposition. Keep away from organic solvents which can dissolve the material.

HAZARDOUS DECOMPOSITION PRODUCTS: Normal curing conditions do not result in thermal decomposition. Could generate oxides of carbon if heated to decomposition.

HAZARDOUS POLYMERIZATION: Will not occur.

VI. HEALTH HAZARD DATA

No threshold limit value has been established for this material.

TOXICITY DATA:

INGESTION: Non-toxic .

SKIN IRRITATION: Repeated or prolonged contact may cause an allergic skin reaction.

EYE IRRITATION: Not an eye hazard .

INHALATION: Not an inhalation hazard.

CARCINOGENICITY: NTP? NO IARC Monographs? NO OSHA Regulated? NO

PRIMARY ROUTE(S) OF EXPOSURE: Skin contact.

EFFECTS OF OVEREXPOSURE:

ACUTE: None currently known.

CHRONIC: Repeated or prolonged contact may cause an allergic skin reaction.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None currently known.

VII. SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS: Use local and mechanical exhaust when processing plates so as not to exceed the exposure limits for processing solvents.

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY: Not required under normal developing conditions. Refer to the MSDS's for processing solvents for instructions on the proper respiratory protection required if exposure limits are exceeded.

EYE: Safety glasses or goggles may be required when developing in solvent.

GLOVES: Wear temperature resistant gloves when handling hot plates. Wear solvent resistant gloves when handling developed plates before drying.

VIII. FIRST AID PROCEDURES

SKIN CONTACT:

If skin irritation occurs, wash with mild soap and water.
If irritation persists, get medical attention.

INGESTION:

If the material has been swallowed, contact a doctor as soon as possible.

INHALATION:

If overcome by fumes during developing, remove to fresh air. Get medical attention if symptoms persist.

IX. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED:

Not applicable. Material is a solid block.

WASTE DISPOSAL METHOD:

Material can be incinerated or landfilled in accordance with federal, state and local regulations.

X. SPECIAL PRECAUTIONS

Store below 100.F to retain product quality.

Protect from sunlight.

This product is for industrial use only.

XI. REGULATORY COMMENTS

UN OR NA NUMBER: Not regulated.

TSCA STATUS: All components are listed on the TSCA Chemical Substance Inventory.

SARA TITLE III: This product contains no chemicals on the EPA's list of Toxic Release Chemicals under Section 313.

PENNSYLVANIA WORKER AND COMMUNITY RIGHT TO KNOW ACT: This product contains no hazardous or special hazardous substances. All non-hazardous components are a trade secret.

MASSACHUSETTS WORKER AND COMMUNITY RIGHT TO KNOW LAW: This product contains no chemicals on the Massachusetts Hazardous Substance List.

XI. PREPARATION INFORMATION

Prepared by MacDermid Inc. Safety & Regulatory Compliance Department, based upon publicly available reference information.

DATE: April 15, 2005

SUPERSEDES: May 30, 2003

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