MATERIAL SAFETY DATA SHEET

Ultifast Ink (all colors) & Ultifast Activator Fluid

DATE OF PREPARATION: January 2, 2005 REVISION: 00004

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT/CHEMICAL NAME: Ultifast Stamp Ink (all colors) & Ultifast Activator Fluid
GENERAL USE: Stamping Ink for Pre Inked Stamps
MANUFACTURER: M&R Marking Systems Inc., 100 Springfield Avenue, Piscataway, NJ 08855
EMERGENCY TELEPHONE NUMBER: (732) 562-9500

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	ACGIH TWA	OSHA PEL EXPOSURE LIMITS
Ektasolve EB solvent	111-76-2	20 ppm TWA	50 ppm TWA
Butyl Carbitol solvent	112-34-5	None Listed	None Listed
3-methoxy 1-butanol	2517-43-3	None Listed	None Listed
octyl diphenyl phosphate	115-88-8	None Listed	None Listed

No other ingredients identified by OSHA as hazardous are known to be present, or the ingredients present are below levels specified as hazardous by OSHA (29 CFR 1910.1200)

SECTION 3 - HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

ACUTE EFFECTS

INHALATION: Room temperature vapors are minimal. At high deliberate concentrations, vapors cause irritation to respiratory tract and may cause CNS effects such as: nausea, headache, dizziness, unconsciousness, and coma.

EYE: Causes irritation. May cause transient corneal injury.

SKIN: Causes irritation or dermatitis.

INGESTION: Harmful if swallowed. May cause systemic toxicity. May cause nausea, intestinal irritation, and diarrhea.

CARCINOGENICITY: IARC, NTP, and OSHA do not list any components of this product as a carcinogen.

MEDICAL CONDITIONS AGGRAVATED BY LONG-TERM EXPOSURE: Skin allergies, asthma, bronchitis and emphysema.

CHRONIC EFFECTS OF OVEREXPOSURE: Repeated skin contact may cause sensitization in some individuals. May cause liver and kidney damage. Deliberate inhalation at high concentrations may cause CNS depression and asphyxiation. To help protect against unforeseen irritations / reactions, wear all properly selected clothing and protective equipment as instructed in Section 8.

SECTION 4 - FIRST AID MEASURES

INHALATION: If coughing, irritation or tightness in the chest is experienced, remove to fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation.

EYE CONTACT: Immediately wash the eyes with copious amounts of water, occasionally lifting the lower and upper eyelids. Continue for 15 minutes. If irritation persists, seek medical attention.

SKIN CONTACT: In case of skin contact, remove contaminated clothing and wash thoroughly with soap and water. Seek medical attention if rash develops. Launder contaminated clothing before reuse.

INGESTION: If this material has been swallowed, do not induce vomiting unless directed by a physician. Contact physician immediately.

After first aid, get appropriate in-plant, paramedic, or community medical support.

SECTION 5 - FIRE-FIGHTING MEASURES

FLASH POINT: >120 °F (49°C)
POINT METHOD: Pensky-Martens Closed Cup
EXTINGUISHING MEDIA: Dry Chemical, and Carbon Dioxide Foam
UNUSUAL FIRE OR EXPLOSION HAZARDS: Could generate carbon monoxide and carbon dioxide quickly. Keep containers cooled with water.
FIRE-FIGHTING INSTRUCTIONS: Fire fighters should wear self-contained breathing apparatus. Do not release runoff from fire control methods to sewers or waterways.
FIRE-FIGHTING EQUIPMENT: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL /LEAK PROCEDURES: Dike and contain spill; absorb or scrape up excess into suitable container for disposal. Stop or reduce discharge if it can be done safely. Do not allow to enter waterways
REGULATORY REQUIREMENTS: Follow applicable OSHA regulations (29 CFR 1910.120).

SECTION 7 - HANDLING AND STORAGE

HANDLING PRECAUTIONS: Minimize breathing of vapors and avoid prolonged or repeated contact with skin. Wear proper protective equipment. If ventilation is not sufficient, wear proper respiratory equipment. Use good general housekeeping procedures.
STORAGE REQUIREMENTS: Store in cool dry, well-ventilated area away from sunlight. Protect from freezing during shipping.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Provide general or local exhaust ventilation systems to keep airborne vapors below permissible limits. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.
RESPIRATORY PROTECTION: Respiratory protection is not required under normal conditions of local ventilation and/or exhaust. Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. If respirators are used, OSHA requires a written protection program that includes at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.
PROTECTIVE CLOTHING/EQUIPMENT: Wear chemically protective gloves to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.
COMMENTS: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid.
APPEARANCE : Colored ink or clear liquid activator.
ODOR : Sweet odor
VAPOR PRESSURE: <0.1MM @ 77°F (25°C)
VAPOR DENSITY (AIR=1): Not Applicable
SPECIFIC GRAVITY (25 °C): 1.0
WATER SOLUBILITY: partial solubility
BOILING POINT: 338°F (170°C)
FREEZING/MELTING POINT: None Determined
VISCOSITY (25 °C): 50-200 centipoise
EVAPORATION RATE: < butyl acetate

SECTION 10 - STABILITY AND REACTIVITY

STABILITY: This product is stable at room temperature in closed containers under normal storage and handling conditions.
POLYMERIZATION: Hazardous polymerization can not occur.
CHEMICAL INCOMPATIBILITIES: Strong acids, bases, oxidizers and reducing agents, isocyanates.
CONDITIONS TO AVOID: Exposure to UV, sunlight or temperatures above 150°F (65°C). Hazardous polymerization will not occur by itself.
THERMAL DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, aldehydes, ketones, organic acids.

SECTION 11- TOXICOLOGICAL INFORMATION

ACUTE INHALATION EFFECTS:
Human, inhalation, TC_L: Not Determined
ACUTE ORAL EFFECTS: Not Determined

REPRODUCTIVE TOXICITY: None established
MUTAGENICITY: None Established
TERATOGENICITY: None Established
SENSITIZATION: None Established

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. This product is a mixture for which no health data exists. The hazards associated with this mixture are based upon the individual hazards of it's components.

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY: No data available.
ENVIRONMENTAL FATE: Expected to have high mobility in soil. The low BCF value of 2.5 suggests that bio-concentration in aquatic organisms is low.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL: This material must be disposed of in accordance with applicable Federal, state and local regulations.

SECTION 14 - TRANSPORT INFORMATION

DOT	Hazard Class / Packing Group	UN Number
Alcohols N.O.S., organic	3 / III	2810

Section 15 - Regulatory Information

HEALTH & SAFETY REPORTING LIST: None of the chemicals are on the Health & Safety Reporting List.

OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.

TSCA INVENTORY STATUS (40 CFR 710): All components of this formulation are listed in the TSCA Inventory.

Section 16 - Other Information

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