MULTI-TECH, INC.
MULTI-CHOICE, DI & HP SERIES,
MULTI-MATCH & MULTI-MATCH COATED TEXTILE INKS

MATERIAL SAFETY DATA SHEET

August 12, 2013

Please become familiar with this Material Safety Data Sheet as it is important for the user to understand the product. If further information is desired, consult professionals or reference studies in toxicology, fire prevention/suppression and ventilation.

FOR EMERGENCY CALL (314) 382-9881

MULTI-TECH, INC.
5101 Penrose Street
Saint Louis, MO 63115

I. PRODUCT IDENTIFICATION

Product Name:	Multi-Choice & Multi-Choice Opaque Bases
Product Number:	All Bases
Chemical Name:	Plastisols
Chemical Family:	Polyvinyl Chloride Resin Dispersion
Molecular Weight:	Mixture
Synonyms:	

II. INGREDIENTS

PRODUCT	COMPONENT	ACGIH TLV	PERCENT
MC – MCO Base	No Hazardous Ingredients		

III. PHYSICAL DATA

Boiling Point @ 500^{O}F
Vapor Density (Air = 1). . . @ 5.0
Vapor Pressure @70^{o}F. . . Essentially non-volatile
Specific Gravity @25^{o}F. . 1.2 - 1.5
Water Solubility . . . . . Negligible
Physical State . . . . . Very viscous semi-solid, many colors.

III. PHYSICAL DATA (Cont.)

VOC Content (g/l):
Multi-Tech's MC Bases have less than 17 grams/liter VOC as calculated and tested.
Multi-Tech's MCO Bases have less than 17 grams/liter VOC as calculated and tested.

IV. FIRE AND EXPLOSION DATA

Flash Point ....Greater than 400^{o}F (C.O.C.)
Extinguishing Media ....Dry Chemicals (i.e. potassium sulfate, potassium chloride and mono ammonium phosphate), chemical foam, carbon dioxide, or water spray.
Special Fire Fighting ....A fire will produce hydrogen chloride and acrid fumes; therefore, full emergency equipment including a self-contained breathing apparatus should be used. Cold water should continuously be sprayed on exposed containers as the high temperatures can cause pressure to build up in drums and other closed containers.

HMIS Hazard Class: Health: 1; Flammability: 1; Reactivity: 0 Protective Equipment: B

V. HEALTH AND SAFETY INFORMATION

HUMAN EFFECTS

Inhalation ..... Respiratory tract irritation.
Skin ..... Moderate skin irritation.
Eyes ..... Severe eye irritation.
Ingestion ..... Gastrointestinal irritation, diarrhea, nausea and vomiting.

VI. EMERGENCY FIRST AID PROCEDURES

Inhalation	Vacate area to area with good ventilation and with no further risk of exposure. Treat symptomatically.
Skin Contact	Thoroughly wash affected areas with soap and water. Remove contaminated clothing and wash clothing before reuse.
Eye Contact	Flush eye with clean lukewarm water at low pressure for at least 15 minutes. Seek medical attention immediately.
Ingestion	Consult physician immediately.

VII. EMPLOYEE PROTECTION RECOMMENDATIONS

Respiratory Protection ...	If exposure is likely to exceed exposure limits, an appropriate NIOSH approved respirator for organic mist and vapor must be worn. (Section II) See OSHA regulations for respirator use (29CFR 1910.134).
Skin Protection t	Chemically resistant gloves should be worn when handling any chemicals. Wash thoroughly when through.
Eye Protection t	Wear safety goggles or glasses with side shields.
Ventilation t	The area must have good general ventilation. Local exhaust may also be needed to keep air contamination below recommended exposure levels.
Other t	Eyewash stations and safety showers should be readily available and clearly identified. Employees must be properly trained in the use of all safety equipment.

VIII. REACTIVITY DATA

Stability	Stable under normal conditions.
Polymerization	Hazardous polymerization will not occur.
Incompatibility	Materials to avoid: strong oxidizing agents.

Hazardous Decomposition

Products ..... Hydrogen chloride, acetic acid, carbon monoxide, carbon dioxide by combustion.

IX. SPILL OR LEAK PROCEDURES

If material is spilled or released: Small spills can be wiped up with absorbent materials. Larger spills may be collected into drums and disposed of in compliance with federal, state and local environmental control regulations. Corrosive hydrogen chloride is generated if incinerated.

Waste Disposal ..... See above.

X. SPECIAL PRECAUTIONS AND STORAGE DATA

Storage Temperature	Below 83^{o} recommended.
Storage Conditions	Do not store near heat, flame, or strong oxidants.

XI. TRANSPORTATION REQUIREMENTS

D.O.T. Labels Required ..... None

D.O.T. Hazardous Classification .. None. Non-hazardous

Hazardous Waste ..... No

NOTE: The information contained herein is based on information received from our suppliers and is believed to be correct. The user assumes responsibility for the product, as Multi-Tech has no control over its utilization. Updates to this MSDS will be made available as more information is accessible to Multi-Tech.

Prepared by: Multi-Tech, Inc., MSDS Committee
Supercedes: All previous Revisions