

# MATERIAL SAFETY DATA SHEET

June 1, 2006

Please become familiar with the 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.

MULTI-TECH, INC.  
FOR EMERGENCY CALL (314) 382-9881  
5101 PENROSE STREET  
SAINT LOUIS MO 63115

## I. PRODUCT IDENTIFICATION

Product Name: MULTI-SOFT, MULTI-SOFT BRIGHT, MESH GLOSSY, MESH, TEAMMESH, HD-101 Clear, MSF-100, and Balanced Reducer

Product Number: All Colors  
Chemical Name: Plasticsols  
Chemical Family: Polyvinyl Chloride Resin Dispersion  
Molecular Weight: Mixture

## II. HAZARDOUS INGREDIENTS

as defined in 29 CFR 1910.1200 (carcinogens identified with an asterisk\*)

### PRODUCTS

MC, MS, MSB, MESH, Mesh Glossy,  
Balanced Reducer, HD-101 Clear, TEAMMESH, MSF

### INGREDIENT

No Hazardous Ingredients

## III. PHYSICAL DATA

Boiling Point @ 500°F  
Vapor Density (Air = 1) . . . @ 5.0  
Vapor Pressure ... @70°F. . . Essentially non-volatile  
Specific Gravity ..@25°F. . . 1.2 - 1.5  
Water Solubility . . . . . Negligible  
VOC Content (g/l) . . . . . Multi-Tech's MSB, MM, & MS series inks have less than 10 grams/liter VOC as calculated and tested.

## IV. FIRE AND EXPLOSION DATA

Flash Point: Greater than 400°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

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## V. HEALTH AND SAFETY INFORMATION

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### HUMAN EFFECTS

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

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## VI. EMERGENCY FIRST AID PROCEDURES

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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.

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## VII. EMPLOYEE PROTECTION RECOMMENDATIONS

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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 Chemically resistant gloves should be worn when handling any chemicals. Wash thoroughly when through.  
Eye Protection Wear safety goggles or glasses with side shields.  
Ventilation The area must have good general ventilation. Local exhaust may also be needed to keep air contamination below recommended exposure levels.  
Other Eyewash stations and safety showers should be readily available and clearly identified. Employees must be properly trained in the use of all safety equipment.

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## VIII. REACTIVITY DATA

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Stability ..... Stable under normal conditions.  
Polymerization ..... Hazardous polymerization will not take place.  
Incompatibility ..... Materials to avoid: strong oxidizing agents.  
Hazardous Decomposition  
Products ..... Hydrogen chloride, acetic acid, carbon monoxide, carbon dioxide by combustion.

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## IX. SPILL OR LEAK PROCEDURES

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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.

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## X. SPECIAL PRECAUTIONS AND STORAGE DATA

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Storage Temperature .... Below 85° recommended.  
Storage Conditions ..... Do not store near heat, flame, or strong oxidants.

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## XI. TRANSPORTATION REQUIREMENTS

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DOT Labels Required ..... None

DOT 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  
Date: December 11, 2001  
Supercedes: All previous  
Revision: Add MSF, MESH GLOSSY Series  
Add HD-101 Clear 11dec2001