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MATERIAL SAFETY DATA SHEET

IDENTIFICATION AND EMERGENCY INFORMATION						
Product Name	Shur/Mark Laboratory Marker, Black					
Product Code (Catalog Number)	MP-B (Catalog number change only-previously H-MP-B)					
Product Category (Chemical Name)	solvent base ink					
Product Appearance and Odor	thin liquid with slight pungent odor					
Emergency Notification	Chem-Tel 1-800-255-3924					
COMPONENTS AND HAZARD INFORMATION						
Component	CAS No.	%	OSHA TWA		OSHA STEL	
			ppm	mg/m ³	ppm	mg/m ³
cyclohexanone	108-94-1	18	25	NE	NE	NE
proylene glycol methyl ether	107-98-2	40	100/8hr workdy	NE	NE	NE
diacetone alcohol	123-42-2	31	50	NE	NE	NE
vinyl resin	25086-48-0	4	NE	NE	NE	NE
solvent black 7	8005-02-5	6	NE	15*	NE	NE
* "free dust"not bound in paint/ink matrix						
PHYSICAL DATA						
THE FOLLOWING DATA ARE APPROXIMATE OR TYPICAL VALUES AND SHOULD NOT BE USED FOR PRECISE DESIGN PURPOSES.						
Boiling Range 248°F (120°C) – 340°F (171°C)	Specific Gravity <1.0	Molecular Weight		Viscosity 12.5 SECS FORD Cup		
Percent Volatile by Volume 85	Vapor Pressure @20 C degrees 15	Vapor Density (Air = 1) 35		Pour, Congealing or Melting Point		
Solubility in Water @1 ATM and 25°C (77°F) partial		Evaporation Rate @1 ATM and 25°C (77°F) (n-Butyl Acetate =1) slower than ether			pH	
FIRE AND EXPLOSION HAZARD INFORMATION						
Flash Point (Minimum) 89°F	Autoignition Temperature		Test Mode TCC	LEL NE	UEL NE	

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

National Fire Protection Association (NFPA) — Hazard Identification			
Health 2	Flammability 3	Reactivity 0	Basis
Handling Precautions			
Flammable or Explosive Limits (Approximate Percent by Volume in Air)			
Extinguishing Media foam, CO ₂ , dry chemical, water spray			
Fire Fighting Procedures NNR			
Decomposition Products Under Fire Condition			
“Empty” Container Warning			
Unusual Fire and Explosion Hazards NA			
HEALTH AND HAZARD INFORMATION			
Variability Among Individuals			
Signs and symptoms of overexposure headache, dizziness, nausea, anesthesia, coughing, eye, throat irritation			
Effects of Overexposure slight to severe irritation to eyes and mucous membranes of nose and throat, dermatitis, affects central nervous system			
Nature of Hazard and Toxicity Information			
Pre-existing Medical Conditions which may be Aggravated by Exposure			
Threshold Limit Value			
Health Hazards			
PRIMARY ROUTES OF ENTRY AND EMERGENCY AND FIRST AID PROCEDURES			
Eye Contact			
Skin wash with copious amounts of water			

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Inhalation seek fresh air, give artificial respiration if not breathing		
Ingestion call physician		
SEEK MEDICAL TREATMENT IF DISCOMFORT PERSISTS.		
REACTIVITY		
Stability stable	Incompatibility do not mix with strong oxidants	Hazardous Decomposition Products carbon monoxide, carbon dioxide, and unidentified organic combustion products
Conditions to Avoid heat, open flame and sparks	Hazardous Polymerization will not occur	Materials to Avoid
ENVIRONMENTAL INFORMATION		
Steps to be Taken in Case Material is Released or Spilled Remove all ignition sources, ventilate area, use absorbent material to clean spill.		
Disposal Dispose of waste in accordance with local and federal regulations.		
Protective Gear NNR		
Precautions to be taken in handling and storage Keep away from heat, fire and strong oxidants. Store in cool place (room temperature). Use adequate ventilation.		
THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUTES.		
Reportable Quantity (RQ), EPA Regulation 40 CFR 302 (CERCLA Section 102)		
Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355 (SARA Sections 301-304)		
Toxic Chemical Release Reporting, EPA Regulation 40 CFR 372 (SARA Section 313)		
Hazardous Chemical Reporting, EPA Regulation 40 CFR 370 (SARA Sections 311-312)		
SPECIAL STATE NOTIFICATIONS		
PROTECTION AND PRECAUTIONS		
None should be needed.		

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TRANSPORTATION AND OSHA RELATED LABEL INFORMATION
Transportation Incident Information
U.S. DOT Hazardous Materials Shipping Description UN1210 – flammable liquid
OSHA Required Label Information
WHMIS (Canada only) B3

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