

V Super Color Marker

22155-XXXX

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Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.		U.S. Department of Labor Occupational Safety and Health Administration(Non-Mandatory Form) Form Approved OMB No. 1218-0072				
IDENTITY (As used on Label and list) - V Super Color Marker VSCF and VSCB		Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.				
SECTION I						
Manufacturer's Name PILOT CORPORATION			Telephone Number 03-3538-3700			
Address(Number, Street, City State & Zip) 6-21, Kyobashi 2- Chome, Chuo-Ku Tokyo			Fax Number 03-3538-3901			
Tokyo,104-8304 Japan			Date Prepared 3/23/09			
			Prepared by			
Section II - Hazardous Ingredients/Identity Information						
Hazardous Components(Specific Chemical Identity;Common Name(s))			OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
NAME	CAS. NO.	TLV(PPM)	WT. (%)	COMPONENT		
<i>Ethanol</i>	<i>64-17-5</i>		<i>54.8-59.3</i>			
<i>1-Methoxy-2-propanol</i>	<i>107-98-2</i>		<i>20.0</i>			
<i>3-Methoxy-3-methylbutanol</i>	<i>56539-66-3</i>		<i>0-3.0</i>			
<i>Ethylene glycol, monoisopropyl ether</i>	<i>109-59-1</i>		<i>0-1.0</i>			
Section III - Physical/Chemical Characteristics						
Boiling Point 78.325 C (Ethanol)					PH	
Vapor Pressure(mm Hg) 44mmHg(20.0 C Ethanol)					Melting Point	
Vapor Density(Air=1) 0.872-0.896 20 C					Evaporation Rate (Butyl Acetate = 1)	
Solubility in Water Insoluble						
Appearance and Odor Liquid						
Section IV - Fire and Explosion Hazard Data						
Flash Point(Method Used) 14 Degrees C (Ethanol)			Flammable Limits Flammable		LEL N.D.	UEL N.D.
Extinguishing Media						
Special Fire Fighting Procedures Use foam Carbon Dioxide, Dry Chemical powder..						
Autoignition Temp. N.D..						
Unusual Fire and Explosion Hazards						
Section V- Storage Hazards						
Stability	Unstable				Conditions to Avoid	
	Stable		X		None	

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Incompatibility (Materials to Avoid)	<i>N.A.</i>		
Hazardous Decomposition or Byproducts	<i>N.A.</i>		
Hazardous Polymerization	May Occur		Condition to Avoid <i>None</i>
	May Not Occur	X	
Section VI - Health Hazard Data			
Route(s) of Entry: <i>None</i>	Inhalation? <i>N.A.</i>	Skin?	Ingestion?
Health Hazards(Acute and Chronic) <i>N.D.</i>			
Signs and Symptoms of Exposure <i>N.D.</i>			
Medical Conditions			
Generally Aggravated by Exposure <i>Inhalation, swallowing, skin contact</i>			
Emergency and First Aid Procedures ; Inhalation : <i>Remove patient from area to fresh air ; remove material with blotting paper.</i> Eyes: <i>Rinse with clean water, consult medical</i> Skin: <i>Wash with soap & water</i> Ingestion: <i>Dispense generous amounts of liquid.</i>			
Section VII - Precautions for Safe Handling and Use			
Steps to Be Taken in Case Material is Released or Spilled			
<i>Absorb spill with material (cloth or paper)</i>			
Waste Disposal			
<i>In accordance with National, State and Local regulations.</i>			
Precautions to Be Taken in Handling and Storing			
<i>Store in well-ventilated and cool places. Separate from source of ignition.</i>			
Other Precautions			
<i>Inspect for leakage.</i>			
Section VIII - Control Measures			
Respiratory Protection(Specify Type) <i>Wear respiratory protection</i>			
Ventilation	Local Exhaust <i>Not Required</i>	Special <i>Not Required</i>	
	Mechanical(General) <i>Not Required</i>	Other <i>Not Required</i>	
Protective Gloves <i>Rubber or polyethylene gloves</i>	Eye Protection <i>Glasses.</i>		
Other Protective Clothing or Equipment			
Work/Hygienic Practices			
<i>After handling, wash hands well with soap and water</i>			

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