

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

1/2

IDENTITY (As Used on Label and List)

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

Chemical Name	WATER BASED PIGMENT INK	Date Prepared	JAN. 1, 2000
Chemical Family	WATER BASED INK	Trade Name	#222 DECO FABRIC MARKER

Section II-Hazardous Ingredients/Identity Information

Components (Chemical or Common Name (s))	(CAS No.)	OSHA PEL	ACGIH (TWA) ppm	Other limits LD <sub>50</sub> mg/kg	% (optional)
ETHYL ALCOHOL	(64-17-5)		1,000	13,700	2.57
ISOPROPYL ALCOHOL	(67-63-0)		400	5,840	1.02
N-PROPYL ALCOHOL	(71-23-8)		200		0.01
ACRYLIC ACID POLYMERS	(9003-01-4)				4.5
PIGMENT WHITE 19	(1332-58-7)				4.5
PIGMENT WHITE 6	(13463-67-7)			12,000 <	7.2
PIGMENT RED 170	(2786-76-7)				10.8
WATER	(7732-18-5)				69.31
BENZISOTHAZOL	(2634-33-5)				0.09

Section III-Physical/Chemical Characteristics

Boiling Point	100 °C	Specific Gravity (H <sub>2</sub> O = 1)	1.1	Auto-ignition temp.	n.d.
Vapor Pressure (mm Hg.)	n.d.	Melting Point	< 0 °C	pH in concentrate	8 ~ 8.8
Vapor Density (AIR = 1)	n.d.	Evaporation Rate (Butyl Acetate = 1)	≪ 1		
Solubility in Water	SOLUBLE				
Appearance and Odor	RED COLOR INK WITH NO SPECIAL ODOR				

Section IV-Fire and Explosion Hazard Data

Flash Point (Method Used)	(Closed Cap)	n.a.	Flammable Limits (Vol. %)	LEL	n.a.	UEL	n.a.
Extinguishing Media	CO <sub>2</sub> GAS OR CHEMICAL FORM						
Special Fire Fighting Procedures	n.a.						

**SECTION V • HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE n.d.

EFFECTS OF OVEREXPOSURE n.d.

**EMERGENCY AND FIRST AID PROCEDURES**

Ingestion: Call a physician. Eyes: Rinse away thoroughly with water.

Skin: Wash off with plenty of water and soap.

**SECTION VI • REACTIVITY DATA**

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	✓	High temperature and Fire sources.

INCOMPATIBILITY (*Materials to avoid*) n.d.

HAZARDOUS DECOMPOSITION PRODUCTS n.d.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	✓	High temperature and Fire sources

**SECTION VII • SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Take up with absorbent materials.

**WASTE DISPOSAL METHOD**

Dispose in accordance with local regulations.

**SECTION VIII • SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION (*Specify type*) n.a.

VENTILATION Yes	LOCAL EXHAUST	Yes	SPECIAL	n.a.
	MECHANICAL ( <i>General</i> )	n.a.	OTHER	n.a.

PROTECTIVE GLOVES n.a. EYE PROTECTION n.a.

OTHER PROTECTIVE EQUIPMENT n.a.

**SECTION IX • SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

- Avoid high temperature (< 40 °C).
- Close cap after use.

OTHER PRECAUTIONS n.a.

\* Not applicable = n.a.  
Not determined = n.d.