

21-160
21-152
21-153
21-154
21-155
21-156
21-157
21-158
21-159
21-166
7-4752
7-4753
21-167

fac

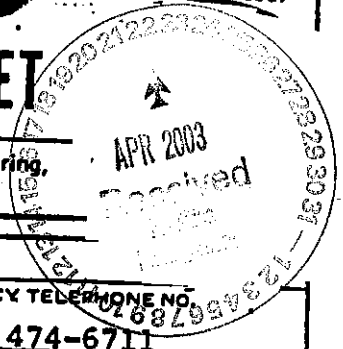
193

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1317

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)



SECTION I

MANUFACTURER'S NAME: **Eberhard Faber, Inc.** EMERGENCY TELEPHONE NO. (717) 474-6711

ADDRESS (Number, Street, City, State, and ZIP Code): **Crestwood Industrial Park, Wilkes-Barre, PA 18703**

CHEMICAL NAME AND SYNONYMS: **Design Art Markers**

CHEMICAL FAMILY: **1** FORMULA: **1**

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METACLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS Xylene		100	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	281	SPECIFIC GRAVITY (H ₂ O=1)	0.9
VAPOR PRESSURE (mm Hg.)	10 @ 28.3	PERCENT VOLATILE BY VOLUME (%)	100%
VAPOR DENSITY (AIR=1)	heavier	EVAPORATION RATE (N BUT AC =1)	0.6
SOLUBILITY IN WATER	No		
APPEARANCE AND ODOR	Marker Pens, 120 colors (ink), typical Xylene odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	81°F TCC	FLAMMABLE LIMITS	N/A	Let	Uel
EXTINGUISHING MEDIA	Foam - Carbon Dioxide Extinguishers				
SPECIAL FIRE FIGHTING PROCEDURES	None				
UNUSUAL FIRE AND EXPLOSION HAZARDS	No				

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

LeLo 3460 TLV 100 LD50 3 or more

EFFECTS OF OVEREXPOSURE

Dizziness, Nausea - readily reversible upon removal from source of exposure.

EMERGENCY AND FIRST AID PROCEDURES

Remove patient to fresh air if dizzy or nauseous. If symptoms persist, consult physician.

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of nitrogen and carbonaceous by-products.

HAZARDOUS POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

X

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Cannot spill since container has no free liquid ink (all ink is absorbed on internal fiber packing)

WASTE DISPOSAL METHOD

When marker is completely used, dispose of with conventional trash.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

None

VENTILATION

LOCAL EXHAUST

Cross ventilation, avoid confined areas

SPECIAL

MECHANICAL (General)

OTHER

PROTECTIVE GLOVES

No

EYE PROTECTION

No

OTHER PROTECTIVE EQUIPMENT

No

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in cool area below 120°F. Keep capped when not in use.

OTHER PRECAUTIONS