

DATE PRINTED: 3/15/2001
 MSDS NO. XX0363
 Cat-L-Ink 50-506AR Deep Red (XX0363)

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

COMPANY IDENTIFICATION
 ALPHA PC FAB/ENTHONE
 P.O. BOX 1900
 NEW HAVEN, CT 06508

EMERGENCY TELEPHONE NUMBERS
 Transportation:
 Chemtrec, USA, 1-800-424-9300
 International: 1-703-527-3887
 After Hours Non Transportation
 Emergency: 1-800-399-6503

Distributed by:
NAZDAR
 8501 Hedge Lane Terrace
 Shawnee, KS 66227
 Phone: 800-677-4657
 www.nazdar.com

USA
 Phone: 1-203-934-8611
 Fax: 1-203-799-8179

PRODUCT NAME
 Cat-L-Ink 50-506AR Deep Red (XX0363)

PRODUCT CODE
 XX0363

PRODUCT DESCRIPTION
 Epoxy resin mixture.

GENERAL USE
 P.W.B. Permanent Marking Ink

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE DESCRIPTION	PERCENT	CAS#
Epoxy Resin	15.000- 40.000	25068-38-6
Bisphenol A	7.000- 13.000	80-05-7
Diethylene Glyc Eth Ether Acet	10.000- 30.000	112-15-2
Dipropyl Glyc Mono Meth Ether	5.000- 10.000	34590-94-8
Prop Gly Mono Methyl Ether Ace	5.000- 10.000	108-65-6
Selenium	1.000- 5.000	7782-49-2
Barium Sulfate	10.000- 30.000	7727-43-7
Cadmium	9.530	7440-43-9

DISCLOSURE:
 This product is hazardous under the criteria of the USA OSHA Hazard Communication Standard 29 CFR 1910.1200.

Any ingredient claimed as a trade secret will be disclosed in accordance with 29 CFR 1910.1200 (i).

See Section 8 of this MSDS for any noted exposure limits for these compounds.

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Warning!
 Combustible liquid and vapor.
 May cause eye irritation.
 Harmful if swallowed.
 Deep red, high viscosity liquid. Mild odor.

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SECTION 3. HAZARDS IDENTIFICATION
(CONTINUED)

EYE CONTACT

Moderately irritating with redness, pain or tearing. Prolonged contact may cause burns.

SKIN CONTACT

Slightly irritating. Frequent or prolonged contact may irritate and cause a rash (dermatitis). Repeated exposure may cause allergic skin reactions. Once an allergy develops, even an exposure to a very small amount can trigger an allergic reaction.

INHALATION

Slightly irritating to the eyes, nose, throat and lungs.

INGESTION

May cause severe vomiting and diarrhea.

PRIMARY ROUTE OF EXPOSURE

Skin contact, skin absorption, eye, inhalation, ingestion.

CARCINOGENICITY

IARC	-	2A Cadmium
OSHA	-	Not Listed
NTP	-	2 Cadmium

TARGET ORGANS

Ingredients may be toxic to the following organs:

Skin, eyes, lungs, mucous membranes.

SECTION 4. FIRST AID MEASURES

EYE CONTACT

Flush eyes with flowing water for 10 to 15 minutes. Blink eyes frequently. Repeat flushing if burning or pain persists. Get immediate medical attention.

SKIN CONTACT

Rinse skin immediately with plenty of water. Then wash skin immediately with soap and water. Remove contaminated clothing. Do not apply lotions or creams without the advice of a physician or poison center. If problems persist get prompt medical attention.

INHALATION

Remove victim to fresh air. If breathing is difficult get immediate medical attention. If not breathing give artificial respiration and call for emergency medical assistance.

INGESTION

Do NOT induce vomiting. Give small amounts of water. Never give anything by mouth to an unconscious person. Contact a poison center or get immediate medical attention.

SECTION 5. FIRE FIGHTING MEASURES

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SECTION 5. FIRE FIGHTING MEASURES
(CONTINUED)

FLASH POINT
150.00 F 65.55 C

FLASH METHOD
S.C.C.

EXTINGUISHING METHOD
Use carbon dioxide, foam or dry chemical.

FIRE FIGHTING PROCEDURES
Wear self contained breathing apparatus (pressure-demand MSA/NIOSH or equivalent) and full fire fighting protective gear.

FIRE AND EXPLOSION HAZARDS
No unusual fire or explosion hazards.

HAZARDOUS PRODUCTS/COMBUSTION
Not established.

SECTION 6. ACCIDENTAL RELEASE MEASURES

CLEAN-UP

Remove ignition sources. Provide adequate ventilation and/or personal protective equipment (see Section 8). Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Prevent runoff to storm sewers, ditches and other pathways to soil and waterways.

SECTION 7. HANDLING AND STORAGE

HANDLING

Avoid breathing fumes. Do not splash or spill.

STORAGE

Do not store with incompatible materials. Store containers upright. Keep away from heat and flame.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Use local exhaust ventilation.

EYE PROTECTION

Wear safety glasses with side shields or a face shield.

SKIN PROTECTION

Wear chemical resistant rubber gloves and apron.

RESPIRATORY PROTECTION

A respirator is required if ingredient exposure limits are not exceeded. An OSHA approved (29 CFR 1910.134 USA Dept. of Labor), air purifying, half-face respirator with the appropriate cartridge should be used if exposure limits are exceeded.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
 (CONTINUED)

OTHER PROTECTION

A safety shower and eye wash station should be within reasonable distance of the work area.

EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	REG. AGCY	PELTL	STEL	CEIL
Epoxy Resin	OSHA ACGIH	N/D N/D	N/D N/D	N/D N/D
Bisphenol A	OSHA ACGIH	N/D N/D	N/D N/D	N/D N/D
Diethylene Glyc Eth Ether Acet	OSHA ACGIH	N/D N/D	N/D N/D	N/D N/D
Dipropyl Glyc Mono Meth Ether	OSHA ACGIH	100.0000 100.0000	150.0000 150.0000	N/D N/D
Prop Gly Mono Methyl Ether Ace	OSHA ACGIH	N/D N/D	N/D N/D	N/D N/D
Selenium	OSHA ACGIH	0.2000 0.2000	N/D N/D	N/D N/D
Stronium Sulfate	OSHA ACGIH	N/D 10.0000	N/D N/D	N/D N/D
Cadmium	OSHA ACGIH	0.1000 N/D	N/D N/D	N/D N/D

LEGEND:

EXPOSURE LIMIT DESCRIPTIONS

CEIL Ceiling Exposure Limit
 PELTL PEL/TLV
 STEL Short Term Exposure Limit
 N/D = Not Determined

UNIT OF MEASURE

PPM Parts Per Million (Liquid)
 MG/M3 Milligrams Per Cubic Meter (Solid)

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR

Deep red, high viscosity liquid. Mild odor.

SPECIFIC GRAVITY

1.30

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES
(CONTINUED)

pH FACTOR
N/D

BOILING POINT
N/D F N/D C 320°-370°F

VOLATILE ORGANIC COMPOUNDS
VOC - % 18.1
VOC - g/L 308.4
VOC - lbs/Gal 2.98

SECTION 10. STABILITY AND REACTIVITY

INCOMPATIBILITIES
Oxidizing agents.

DECOMPOSITION
None

POLYMERIZATION
None.

CONDITIONS TO AVOID
Extreme temperatures.

STABILITY
Stable.

SECTION 11. TOXICOLOGICAL INFORMATION

EYE EFFECTS
Conjunctival irritation and redness. May cause corneal damage.

DERMAL EFFECTS
Slightly irritating. Absorption of toxic amounts through the skin is unlikely under ordinary conditions of industrial use. Emetic effects possible due to the cadmium content. Cadmium is very poorly absorbed from the gastrointestinal tract.

INHALATION EFFECTS
Minor irritation of the mucous membranes and the upper respiratory tract. Systemic toxicity is very unlikely under ordinary conditions of industrial use.

The glycol ether in this product does not cause adverse effects on the male or female reproductive system.

INGESTION EFFECTS
Systemic effects are unlikely unless taken in massive amounts. Accidental ingestion of more than one ounce should be referred for medical evaluation.

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SECTION 11. TOXICOLOGICAL INFORMATION
(CONTINUED)

ACUTE TOXICITY DATA

Enthone is not aware of any toxicity data on the specific mixture of chemical components contained in this product. Data on the individual chemical components of this mixture is available in the literature or can be obtained by contacting Dexter's Health, Safety and Environmental department at the address and telephone number listed in Section 1.

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

Enthone has not conducted specific studies on the eco toxicity or environmental fate of this product. Commonly available data on certain ingredients indicate that acute or chronic effects could result from uncontrolled releases to soil, ground water, storm waters, or air. Appropriate measures should be taken to prevent uncontrolled releases. Prompt containment and clean-up should be performed if releases do occur (see Section 6).

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

Legal disposition of wastes is the responsibility of the owner/generator of the waste. Applicable Federal, state and/or local regulations must be followed during treatment, storage, or disposal of waste containing this product.

It is recommended that the following priority hierarchy be used when selecting a disposal method: (1) Reuse or reintroduction into the process. (2) Reclamation, regeneration or recycling. (3) Burning for energy recovery, or incineration. (4) Treatment.

SECTION 14. TRANSPORT INFORMATION

DOT/IATA PROPER SHIPPING NAME

Ink Materials

DOT/IATA HAZARD CLASS

Not Regulated

DOT/IATA UN OR NA NUMBER

Not Regulated

DOT/IATA PACKING GROUP

Not Regulated

DOT/IATA LABEL

Not Regulated

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SECTION 14. TRANSPORT INFORMATION
(CONTINUED)

DOT/IATA PLACARD
Not Regulated

SECTION 15. REGULATORY INFORMATION

Component Epoxy Resin is subject to the following

Environmental List

311/312 SARA Phy/Hea Haz (40CFR370.40)

Component Bisphenol A is subject to the following

Environmental List

311/312 SARA Phy/Hea Haz (40CFR370.40)
13 SARA toxic chem (40CFR372.65)

Component Diethylene Glyc Eth is subject to the following

Environmental List

311/312 SARA Phy/Hea Haz (40CFR370.40)
313 SARA toxic chem (40CFR372.65)

Component Dipropyl Glyc Mono M is subject to the following

Environmental List

311/312 SARA Phy/Hea Haz (40CFR370.40)

Component Prop Gly Mono Methyl is subject to the following

Environmental List

311/312 SARA Phy/Hea Haz (40CFR370.40)
313 SARA toxic chem (40CFR372.65)

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SECTION 15. REGULATORY INFORMATION
 (CONTINUED)

Component Selenium is subject to the following

Environmental List

CERCLA CERCLA Hazardous Substance
 311/312 SARA Phy/Hea Haz (40CFR370.40)
 313 SARA toxic chem (40CFR372.65)

Component Barium Sulfate is subject to the following

Environmental List

311/312 SARA Phy/Hea Haz (40CFR370.40)
 313 SARA toxic chem (40CFR372.65)

Component Cadmium is subject to the following

Environmental List

CA California Prop 65
 CERCLA CERCLA Hazardous Substance
 311/312 SARA Phy/Hea Haz (40CFR370.40)
 313 SARA toxic chem (40CFR372.65)

CALIFORNIA PROPOSITION 65

This product contains a chemical(s) known to the State of California to cause cancer.

SECTION 16. OTHER INFORMATION

HAZARDOUS MATERIALS ID. SYSTEM

HMIS	HAZARD RATING		
	Least	0	Slight
Health	3	0	1
Fire	2	2	3
Reactivity	1	4	

WHMIS HAZARD CLASS

B3, D2A

REVISION NO.

001

REVISION DATE

5/29/1996

REVISION SECTION / REASON

Section 3 / CARCINOGENICITY correction

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SECTION 16. OTHER INFORMATION
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CREATED BY
HSE& R&D INDUSTRY, CALIF.

APPROVED BY
HSE - California

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NO WARRANTY, EXPRESS OR IMPLIED, IS MADE REGARDING THE INFORMATION FURNISHED ON THIS MSDS.

KEY TO ABBREVIATIONS:

=	Equal	LT	=	Less Than	
=	Approximately	GT	=	Greater Than	
N/D	=	Not Determined	TR	=	Trace
ND	=	No Data Available	>	=	Greater Than
HSE	=	Health, Safety and Environmental	<	=	Less Than