

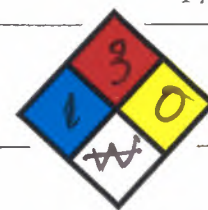
## MATERIAL SAFETY DATA SHEET

Product ID: ACMI #6000 EPOXY INK CLEANER  
American Coding & Marking Ink Co.

85985T54

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## I. GENERAL INFORMATION



Trade Name: 6000

Colors: CLEANER

Chemical Name: EPOXY INK CLEANER

Chemical Family: not applicable

Formula: PROPRIETARY MIXTURE

DOT ShipName: INK

DOT HazClass: FLAMMABLE LIQUID, PG II

HMIS H:1 F:3 R:0 PP:D

(If PP=H or X see Sect VIII.)

Mfgr: American Coding &amp; Marking Ink Co.

1220 North Avenue

Plainfield, NJ 07062

Phone: (908) 756-0373

CAS No: not applicable

UN/NA No: UN1210

IATA Name: PRINTING INK

IATA HazClass: FLAMMABLE LIQUID, PG II

Date Revised: 5-4-1994

Date Reviewed: 2-14-1996

Prepared by: Richard A Sweet

Non-business Hours: (908) 769-1386

## II. HAZARDOUS INGREDIENTS

The five most predominant ingredients of this mixture are listed per NJ Admin Code Title 8, Chap 59 (NJ Worker and Community Right to Know Act). All ingredients on the Special Health Hazard Substance List (NJAC 8:59-10), which meet the criteria established pursuant to NJAC 8:59-10 are listed with CAS# and hazard data (this exceeds OSHA requirements). Other ingredients, preceded by "\*\*\*\*", have been claimed as trade secrets with the NJ Dept. of Health as provided in NJAC 8:59-3. Available health hazard and physical property information concerning the mixture is furnished in this data sheet. In the event of a medical emergency, specific chemical information will be made immediately available to a treating physician or nurse. See Section V. ("\*\*\*\*" denotes NJ Trade Secret number)

Ingredient	1.	2.	3.
Name	ETHYL ACETATE	ISOPROPYL ALCOHOL	***33235600000-5152P
CAS No.	141-78-6	67-63-0	PROPRIETARY
Wt %	50		
OSHA TLV	400ppm	400ppm	
ACGIH TLV	400ppm	400ppm	
SARA 313/302	NO /NO	NO /NO	NO /NO
PROP 65	NO	NO	
CERCLA/RCRA	5000 /U112	NONE /NO	NONE /NO
Ingredient	4.	5.	6.
Name	***33235600000-5153P		
CAS No.	PROPRIETARY		
Wt %			
OSHA TLV			
ACGIH TLV			
SARA 313/302	NO /NO	/	/
PROP 65			
CERCLA/RCRA	NONE /NO	/	/
Ingredient	7.	8.	9.
Name			
CAS No.			
Wt %			
OSHA TLV			
ACGIH TLV			
SARA 313/302	/	/	/
PROP 65			

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## III. PHYSICAL DATA

Boiling Point (Degrees F): approx 172  
Vapor Pressure (mm Hg): approx 55  
Vapor Density (Air=1): approx 3.2  
Solubility in Water: APPRECIABLE  
Specific Gravity (H<sub>2</sub>O=1): 0.89  
Percent Volatile by Volume: 100  
Evaporation Rate (nBuAcet=1): approx 3  
pH: not applicable  
Appearance & Odor: FLUID COLORLESS LIQUID WITH CHARACTERISTIC ACETATE ODOR

## IV. HEALTH HAZARD DATA

Threshold Limit Value: approx 400ppm

The TLV has not been determined for the mixture. The value reported is for the ingredient with the lowest calculated value of TLV percent in the mixture.

OSHA Threshold Limit Value: Not Determined

ACGIH Threshold Limit Value: Not Determined

EFFECTS OF EXPOSURE

Ingestion: Slightly irritating to gastrointestinal tract. Can cause headache, diarrhea, drowsiness, breathing difficulties, nausea, vomiting. LD50 Rat >500-5000 mg/Kg  
Eyes: Slightly irritating. Cause redness, and/or blurred vision, but reversible within seven days.  
Skin: Slightly irritating. Prolonged or widespread contact may lead to defatting or dermatitis.  
Inhalation: Slightly irritating to nasal and respiratory tracts. Can cause headache, drowsiness, dizziness, breathing difficulties, nausea. LC50 Rat, 1 hour >2000-10,000 ppm

EMERGENCY FIRST AID

Ingestion: Currently available information does not contraindicate induction of vomiting. Induce vomiting, if conscious, as directed by medical personnel. Seek medical attention.  
Eyes: Flush immediately with water for at least 15 minutes. Seek Medical Attention.  
Skin: Remove contaminated clothing. Thoroughly wash with soap and large amounts of water. Seek medical attention.  
Inhalation: Remove to fresh air. Restore breathing. Treat symptomatically. Seek medical attention.

TARGET ORGANS: LIVER, KIDNEYS

Other Medical Info: NONE

Medical Conditions Aggravated by Exposure

As noted in the preface to published values adopted by the ACGIH, TLV's represent "conditions under which it is believed that nearly all workers may be repeatedly exposed day after day without adverse effect. Because of wide variation in individual susceptibility however, a small percentage of workers may experience discomfort from some substances at concentrations at or below the threshold limit; a smaller percentage may be affected more seriously by aggravation of a preexisting condition or by development of an occupational illness."

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## V. FIRE &amp; EXPLOSION HAZARD DATA

Flash Point (Degrees F TCC): 26

Flammable Limits: LEL: 1.7

UEL: unknown

LEL value reported is lowest one listed for any ingredient in mixture.

Extinguishing Media: WATER FOG; MULTIPURPOSE FOAM; DRY CHEMICAL; CO2

Special Fire Fighting Procedures: Fight as volatile liquid fire.

Water spray may spread fire.

Flashback fires may occur.

Unusual Fire & Explosion Hazards: Use water spray to cool fire-exposed surfaces and to protect personnel. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, expose to heat, flame, sparks or other sources of ignition. They may explode. See section IX.

## VI. REACTIVITY DATA

Stable: YES

Conditions to Avoid: DO NOT STORE IN CONTAINERS OF ALUMINUM; COPPER; ZINC  
Incompatibility (Materials to Avoid): STRONG OXIDIZING AGENTS; STRONG ACIDS;  
STRONG BASES; ALKALI METALS; HALOGENS

Hazardous Polymerization: NO

Conditions to Avoid: NONE

Hazardous Decomposition Products: CO; CO2; ORGANIC COMBUSTION PRODUCTS

## VII. ENVIRONMENTAL PROTECTION PROCEDURES

Spill Response: Secure area and remove all sources of ignition and heat. Prevent additional discharge of material. Absorb small spills with sand, filter-aid, vermiculite or other inert absorbent material. For large spills, prevent material from entering sewers or water courses. Contain spill with sand, or earth dikes. Recover as much as possible by pumping. Treat remainder as small spill. Wear chemical goggles, gloves, boots, and apron. Wear respirator if necessary.

Waste Disposal Method: Consult Federal, State, and Local Regulations for accepted procedures of disposal, and any reporting or notification requirements.

## VIII. SPECIAL PROTECTION INFORMATION

Eye Protection: Chemical Face Shield should be sufficient protection.  
DO NOT WEAR CONTACT LENSES! If product gets into the eye, contacts will trap the product into continued direct contact with the cornea, increasing the chance for potentially harmful effects. Remove contacts immediately.

Respiratory Protection: Appropriate vapor respirator or self contained breathing apparatus as necessary due to inadequate ventilation.

Skin Protection: Chemical Safety Gloves and Protective Clothing (sleeves, apron, boots, and headgear as required).

Other Protection: Availability of eye wash apparatus and safety shower recommended.

Ventilation Recommended: Good ventilation is essential to prevent accumulation of vapors. Fans should be explosion proof.

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## IX. SPECIAL PRECAUTIONS

**Hygienic Practices in Handling & Storage:** Store in tightly closed or properly vented container away from heat, sparks, open flame, or strong oxidizing agents. Containers must be properly grounded and adequate ventilation provided. Unscrew all caps slowly. Do not unscrew entirely until all pressure has been completely released. See also Section VIII.

**Repair & Maintenance of Contaminated Equipment:** Handle all equipment containing liquid mixture as reported on this MSDS. Equipment with "dried mixture" must be handled with the same care as other dried organic coatings. All cleaning material should be handled according to their instructions and their MSDS's.

**Other Precautions:** Use only with adequate ventilation. Dispose of "empty" containers promptly and properly.

**Special Precautions:** NONE

If there is a code after any of the following ingredient numbers, current information indicates that the ingredient may have the following special hazard associated with it: CO = corrosive per DOT, CA = carcinogenic, MU = mutagenic, TE = teratogenic, F4 F3 = flammable 4th or 3rd degree per NFPA, R4 R3 R2 = reactive 4th 3rd or 2nd degree per NFPA.

#1:F4	#2:F3	#3:	#4:
#5:	#6:	#7:	#8:
#9:			

## DISCLAIMER OF LIABILITY

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of the material described in this MSDS. Information contained herein is given in good faith and believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material, or results to be obtained from the use thereof.

All of the ingredients in this product that are considered to present a health hazard as defined in Appendix A of the OSHA "Hazard Communication" standard (29 CFR 1910.1200) are listed in Section II. All of the information given, including ingredient identification, CAS Number, and quantity, is proprietary information, which has been provided in order to meet the objective of the "Hazard Communication", while hazards relating only to the mixture, such as flammability, may be found in Sections III through IX. This formulation information is confidential, and only to be disclosed in accordance with Federal and State safety and health regulations. Permission to disclose any ingredient information for any other purpose is neither given nor implied.

ALL CHEMICAL SUBSTANCES USED  
TO MANUFACTURE ACMI INK ARE ON  
TSCA LIST OF CHEM SUBSTANCES