



Manufactured by **Hurliman Products LLC**  
 19020 SW Christensen RD., McMinnville, OR 97128  
 800-488-6588 ♦ 503-843-1160 ♦ FAX 503-843-1161  
 e-mail: [info@jantech.com](mailto:info@jantech.com)

## JANTECH TWO-PART EPOXY INK - 2PE series Resin MSDS

### MATERIAL SAFETY DATA SHEET

Product ID: ACMI #6060 INK 2 PART EPOXY SEMIPASTE MARKING INK  
 American Coding & Marking Ink Co.

PAGE 1

#### I. GENERAL INFORMATION

Trade Name: 6060 INK	
Colors: BLACK, WHITE	
Chemical Name: 2 PART EPOXY SEMIPASTE MARKING INK	
Chemical Family: 2 COMPONENT EPOXY, RESIN PART	
Formula: PROPRIETARY MIXTURE	CAS No: not applicable
DOT ShipName: NONE	UN/NA No: NONE
DOT HazClass: NOT REGULATED	IATA Name: NONE
HMIS H:1 F:1 R:1 PP:D	IATA HazClass: NOT REGULATED
(If PP=H or X see Sect VIII.)	
Mfgr: American Coding & Marking Ink Co.	Date Revised: 5-16-1997
1220 North Avenue	Date Reviewed: 5-16-1997
Plainfield, NJ 07062	Prepared by: Thomas S Sweet
Phone: (908) 756-0373	Non-business Hours: (908) 769-1386

#### II. HAZARDOUS INGREDIENTS

Listed below are all the hazardous ingredients, with CAS# and hazard data, of this mixture, pursuant to NJ Admin Code Title 8, Chap 59 (NJ Worker and Community Right to Know Act) and the Special Health Hazard Substance List (NJAC 8:59-10). This exceeds Federal OSHA requirements. NJ requires that the five most predominant ingredients be listed, which may include a Trade Secret Registry Number (NJTSRN) to cover those nonhazardous top five ingredients not specifically listed. 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 IV.

Ingredient	1.	2.	3.
Name	NJTSRN: 6060BLK		
CAS No.	PROPRIETARY		
Wt %			
OSHA TLV			
ACGIH TLV			
SARA 313/302	NO	/NO	/
PROP 65	NO		/
CERCLA/RCRA	NONE	/NO	/
Ingredient	4.	5.	6.
Name			
CAS No.			
Wt %			
OSHA TLV			
ACGIH TLV			
SARA 313/302	/	/	/
PROP 65			/
CERCLA/RCRA	/	/	/
Ingredient	7.	8.	9.
Name			
CAS No.			
Wt %			
OSHA TLV			
ACGIH TLV			
SARA 313/302	/	/	/
PROP 65			/
CERCLA/RCRA	/	/	/

**Find us on the Internet at <http://www.jantech.com>**

## MATERIAL SAFETY DATA SHEET

Product ID: ACMI #6060 INK 2 PART EPOXY SEMIPASTE MARKING INK  
American Coding & Marking Ink Co.

PAGE 2

### III. PHYSICAL DATA

Boiling Point (Degrees F): >500  
Vapor Pressure (mm Hg): <0.1  
Vapor Density (Air=1): approx 7.7  
Solubility in Water: MODERATE  
Specific Gravity (H<sub>2</sub>O=1): 1.20  
Percent Volatile by Volume: approx 20  
Evaporation Rate (nBuAcet=1): <0.01  
pH: not applicable  
Appearance & Odor: PIGMENT DOLORED HIGH VISCOSITY FLUID

### IV. HEALTH HAZARD DATA

Threshold Limit Value: Not Determined

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: UNKNOWN

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."

MATERIAL SAFETY DATA SHEET

Product ID: ACMI #6060 INK 2 PART EPOXY SEMIPASTE MARKING INK  
American Coding & Marking Ink Co.

PAGE 3

V. FIRE & EXPLOSION HAZARD DATA

Flash Point (Degrees F TCC): >290  
Flammable Limits: LEL: unknown 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.  
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: NO  
Conditions to Avoid: KEEP AWAY FROM HEAT ABOVE 150°F; IRREVERSIBLE  
POLYMERIZATION WILL CAUSE HEAT BUILDUP  
Incompatibility (Materials to Avoid): STRONG OXIDIZING AGENTS; STRONG ACIDS;  
STRONG BASES; ALKALI METALS; HALOGENS  
Hazardous Polymerization: YES  
Conditions to Avoid: MASSES OF 1 LB OR MORE WITH "CATALYST" MAY POLYMERIZE  
WITH CONSIDERABLE HEAT BUILDUP.  
Hazardous Decomposition Products: CO; CO2; METAL OXIDE FUMES; 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 Safety Goggles.  
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.



Manufactured by **Hurliman Products LLC**  
19020 SW Christensen RD., McMinnville, OR 97128  
800-488-6588 ♦ 503-843-1160 ♦ FAX 503-843-1161  
e-mail: [info@jantech.com](mailto:info@jantech.com)

## MATERIAL SAFETY DATA SHEET

Product ID: ACMI #6060 INK 2 PART EPOXY SEMIPASTE MARKING INK  
American Coding & Marking Ink Co.

PAGE 4

### 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 & aintenance 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, PO = poison 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:	#2:	#3:	#4:
#5:	#6:	#7:	#8:
#9:			

### X. OTHER INFORMATION

All chemical substances used to manufacture this product are listed on U.S. EPA's most current TSCA List of Chemical Substances.

### 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.

**Find us on the Internet at <http://www.jantech.com>**



Manufactured by **Hurliman Products LLC**  
 19020 SW Christensen RD., McMinnville, OR 97128  
 800-488-6588 ♦ 503-843-1160 ♦ FAX 503-843-1161  
 e-mail: [info@jantech.com](mailto:info@jantech.com)

## JANTECH TWO-PART EPOXY INK - 2PE series Catalyst MSDS

### MATERIAL SAFETY DATA SHEET

Product ID: ACMI #6060 CATALYST 2 PART EPOXY SEMIPASTE MARKING INK  
 American Coding & Marking Ink Co.

PAGE 1

#### I. GENERAL INFORMATION

Trade Name: 6060 CATALYST  
 Colors: BLACK, WHITE  
 Chemical Name: 2 PART EPOXY SEMIPASTE MARKING INK  
 Chemical Family: 2 COMPONENT EPOXY INK, CATALYST PART  
 Formula: PROPRIETARY MIXTURE  
 DOT ShipName: NONE  
 DOT HazClass: NOT REGULATED  
 HMIS H:2 F:1 R:0 PP:D  
 (If PP=H or X see Sect VIII.)  
 Mfgr: American Coding & Marking Ink Co.  
 1220 North Avenue  
 Plainfield, NJ 07062  
 Phone: (908) 756-0373

CAS No: not applicable  
 UN/NA No: NONE  
 IATA Name: NONE  
 IATA HazClass: NOT REGULATED

Date Revised: 5-16-1997  
 Date Reviewed: 5-16-1997  
 Prepared by: Thomas S Sweet  
 Non-business Hours: (908) 769-1386

#### II. HAZARDOUS INGREDIENTS

Listed below are all the hazardous ingredients, with CAS# and hazard data, of this mixture, pursuant to NJ Admin Code Title 8, Chap 59 (NJ Worker and Community Right to Know Act) and the Special Health Hazard Substance List (NJAC 8:59-10). This exceeds Federal OSHA requirements. NJ requires that the five most predominant ingredients be listed, which may include a Trade Secret Registry Number (NJTSRN) to cover those nonhazardous top five ingredients not specifically listed. 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 IV.

Ingredient	1.	2.	3.
Name	NJTSRN: 6060CAT PROPRIETARY	XYLENE (MIXED ISOMERS) 1330-20-7	2-ETHOXYETHANOL 110-80-5
CAS No.		1330-20-7	110-80-5
Wt %		3-7	3-7
OSHA TLV		100ppm	50 ppm
ACGIH TLV		100ppm	5 ppm
SARA 313/302	NO /NO	YES /NO	YES /NO
PROP 65	NO	NO	NO
CERCLA/RCRA	NONE /NO	1000 /U239	1000 /U359
Ingredient	4.	5.	6.
Name	METHYL ISOBUTYL KETONE	N-BUTYL ALCOHOL	FORMALDEHYDE
CAS No.	108-10-1	71-36-3	50-00-0
Wt %		3-7	0.1
OSHA TLV	50ppm	50 ppm SKIN	0.75ppm
ACGIH TLV	50ppm	50 ppm SKIN	1ppm
SARA 313/302	YES /NO	YES /NO	YES /YES
PROP 65	NO	NO	YES
CERCLA/RCRA	5000 /U161	5000 /U031	100 /U122
Ingredient	7.	8.	9.
Name			
CAS No.			
Wt %			

**Find us on the Internet at <http://www.jantech.com>**



## MATERIAL SAFETY DATA SHEET

Product ID: ACMI #6060 CATALYST 2 PART EPOXY SEMIPASTE MARKING INK  
American Coding & Marking Ink Co.

PAGE 2

### III. PHYSICAL DATA

Boiling Point (Degrees F): >200  
Vapor Pressure (mm Hg): <0.1  
Vapor Density (Air=1): approx 5.6  
Solubility in Water: MODERATE  
Specific Gravity (H<sub>2</sub>O=1): 1.20  
Percent Volatile by Volume: approx 15  
Evaporation Rate (nBuAcet=1): <0.01  
pH: not applicable  
Appearance & Odor: PIGMENT COLORED VISCOUS FLUID WITH CHARACTERISTIC ODOR

### IV. HEALTH HAZARD DATA

Threshold Limit Value: approx 50ppm

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: Moderately irritating, or other symptoms (redness, blurred vision, etc) persisting more than seven days with reversible corneal opacity.

Skin: Moderately irritating. Toxic. Sensitizer. Prolonged or widespread contact will lead to irritation, defatting or dermatitis, and absorption may lead to headache, drowsiness, dizziness, nausea, breathing difficulties.

Inhalation: Toxic, or moderately irritating to nasal and respiratory tracts. Can cause headache, dizziness, drowsiness, breathing difficulties, nausea, unconsciousness.

#### EMERGENCY FIRST AID

Ingestion: Do not induce vomiting. Aspiration of material can cause chemical pneumonitis, which can be fatal. Seek medical attention.

Eyes: Flush immediately with water for at least 15 minutes or until medical personnel indicate to stop. Get medical attention.

Skin: Remove contaminated clothing. Thoroughly wash with soap and large amounts of water. Seek medical attention.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

TARGET ORGANS: LIVER, KIDNEYS, BLOOD

Other Medical Info: ASPIRATION HAZARD

#### 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."

MATERIAL SAFETY DATA SHEET

Product ID: ACMI #6060 CATALYST 2 PART EPOXY SEMIPASTE MARKING INK  
American Coding & Marking Ink Co.

PAGE 3

V. FIRE & EXPLOSION HAZARD DATA

Flash Point (Degrees F TCC): >200  
Flammable Limits: LEL: unknown 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.  
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; WILL REACT WITH WATER  
Hazardous Polymerization: NO  
Conditions to Avoid: NONE  
Hazardous Decomposition Products: CO; CO2; NITROGEN OXIDES; METAL OXIDE  
FUMES; 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 Safety Goggles.  
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.



Manufactured by **Hurliman Products LLC**  
19020 SW Christensen RD., McMinnville, OR 97128  
800-488-6588 ♦ 503-843-1160 ♦ FAX 503-843-1161  
e-mail: [info@jantech.com](mailto:info@jantech.com)

## MATERIAL SAFETY DATA SHEET

Product ID: ACMI #6060 CATALYST 2 PART EPOXY SEMIPASTE MARKING INK  
American Coding & Marking Ink Co.

PAGE 4

### 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 & aintenance 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, PO = poison 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:	#2:F3	#3:NONE	#4:F3
#5:F3	#6:CA,MU	#7:	#8:
#9:			

### X. OTHER INFORMATION

All chemical substances used to manufacture this product are listed on U.S. EPA's most current TSCA List of Chemical Substances.

### 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.

**Find us on the Internet at <http://www.jantech.com>**