
SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AX Ink
SYNONYMS:
COLORS: Black, Blue , Red and Green

SUPPLIER: Specialty Ink Company, Inc.
ADDRESS: 20 Dunton Avenue
Deer Park, NY 11729

EMERGENCY PHONE: 800-688-4005 - VEOLIA
OTHER CALLS 631-586-3666
FAX PHONE: 631-586-3874

PREPARED BY: Keith Werwa

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS NO.</u>	<u>% VOL</u>	<u>SARA 313 Reportable</u>	<u>Exposure Limit ACGIH-TLV</u>	<u>Exposure Limit OSHA PEL</u>
Cresylic Acid	1319-77-3	15-20	Yes	5 ppm	5 ppm
Ethyl Alcohol	64-17-5	35-40		1000 ppm	1000 ppm
Methyl Cellosolve	109-86-4	20-25	Yes	5 ppm	25 ppm

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Do not get in eyes, on skin or clothing. Do not breathe vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

ROUTES OF ENTRY: Dermal contact. Eye contact. Inhalation. Ingestion.

POTENTIAL ACCUTE HEALTH EFFECTS

Effects of Acute Exposure: This material has a strong corrosive effect on the skin and eyes. Nausea, headache, respiratory failure, muscular weakness, gastroenteric disturbances, severe depression, col lapse, and death. Minor to severe chemical burns. Redness or blisters to dermatitis. Although the effects are primarily on the central nervous system, edema of the lungs and injury of the kidneys, liver, pancreas, and spleen may occur.

Effects of Chronic Exposure: Organs affected by long term exposure may include the respiratory system, central nervous system, skin, eyes, lungs, kidneys, and liver. Chronic exposure may cause nervous disorders (headache, dizziness), dermatitis, or pigmentary disorder. Serious and sometimes fatal systemic injury can result from chronic exposure.

EYES: This material has a strong corrosive effect on the eyes. Eye irritation has been noted following brief exposures to concentrated vapors.

SKIN: This material has a strong corrosive effect on the skin. Even dilute solutions may cause severe burns if contact is prolonged. Systemic toxicity can result from skin or eye exposures.

INGESTION: Gastroenteric disturbances. Ingestion can be fatal.

INHALATION: Edema of the lungs, and respiratory failure. Ingestion can be fatal.

SECTION 4: FIRST AID MEASURES

EYES: Affected individual should remove contact lens, if present. In case of contact with eyes, rinse immediately with plenty of water or saline solution. Immediately but gently brush, blot or wipe away any liquid. Get medical attention immediately.

SKIN: Rinse the skin area for at least 15 minutes. Keep victim quiet and maintain normal body temperature. If burns develop, such as inflammation or blisters, apply a dry sterile dressing or use a clean dry cloth. Elevate the affected area above the level of the victim's heart if possible. If the victim is in pain, immerse the painful area in cold water or apply cold wet dressings. DO NOT break open blisters or remove skin. If clothing is stuck to skin after flushing with water, do not remove it. DO NOT use hot water. Seek medical attention immediately.

INGESTION: A conscious victim should immediately drink 4 to 8 ounces of water, and then a slurry of activated charcoal to reduce the concentration of the chemical. Have him rinse his mouth several times with cold water and spit out. Do not induce vomiting. Do not give sodium bicarbonate or carbonated drinks. Keep victim warm and quiet. Seek medical attention immediately.

INHALATION: Remove victim to fresh air at once. Initiate artificial respiration and supply oxygen if needed. Keep victim warm and at rest. If patient is conscious, the irritation of the throat may be relieved by water in the mouth. Seek medical attention immediately.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: 19.3
(% BY VOLUME) LOWER: 3.4

FLASH POINT: 56 F
METHOD USED: Closed cup

AUTOIGNITION TEMPERATURE: 545 F

HMIS HAZARD CLASSIFICATION

HEALTH: 2 **FLAMMABILITY:** 3 **REACTIVITY:** 0
PROTECTION: B

EXTINGUISHING MEDIA: Carbon dioxide. Dry chemical. Alcohol Foam. Water spray.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full facepiece operated in positive pressure mode.

SECTION 5 NOTES: Avoid heat, sparks and open flame. Flammable in presence of heat. Use an extinguishing agent suitable for surrounding fires. Wear face shield to protect from contact with liquid or vapors.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Remove sources of ignition. Ventilate.

ENVIRONMENTAL PRECAUTIONS: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

METHODS FOR CLEANING UP:

Small spill and leak: Absorb with an inert material and place in an appropriate waste disposal container.

Large spill and leak: Contain and cover spill with an absorbent material. Collect and dispose in chemical waste drum. Use appropriate containment to avoid environmental contamination. Place spilled material in an appropriate container for disposal.

SECTION 7: HANDLING AND STORAGE

HANDLING: Do not ingest. Do not get in eyes, on skin or on clothing. Keep container closed. Use only with adequate ventilation. Do not breathe vapor or mist. Wash thoroughly after handling.

STORAGE: Keep container tightly closed. Keep container in a cool, well ventilated area.

STORAGE TEMPERATURE: 50-80 F

SHELF LIFE:

Dye: 12 months from date of manufacture

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location

PERSONAL PROTECTION:

RESPIRATORY PROTECTION: NIOSH approved respirator for high vapor. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

EYE PROTECTION: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

SKIN PROTECTION: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

PERSONAL PROTECTION IN CASE OF LARGE SPILL: Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

EXPOSURE GUIDELINES: See section 2

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE AND APPEARANCE: Liquid

ODOR: Acid Odor

BOILING POINT: 216 F

MELTING POINT: -121 F

VAPOR PRESSURE (mmHg): <1 mm hg

VAPOR DENSITY (AIR = 1): 2.11

SPECIFIC GRAVITY (H₂O = 1): .8889

REACTIVITY IN WATER: None

SOLUBILITY IN WATER: Slight

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY): Heat, sparks and open flame

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Burning will produce CO and possibly CO₂

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): None

SECTION 11: TOXICOLOGICAL INFORMATION

METHYL CELLOSOLVE TOXICOLOGICAL INFORMATION: Oral rat LD₅₀: 4.9g/kg; inhalation rat LC₅₀: 1500 ppm/7H; skin rabbit LD₅₀: 2.4 g/kg.

CRESYLIC ACID:

EYE EFFECTS: Cresols and phenols are classified as severe eye irritants. Eye LC₅₀ : o-cresol eye-rbt 105 mg; p-cresol eye-rbt 103 mg; m-cresol eye-rbt 103 mg; phenol eye-rbt 5 mg

SKIN EFFECTS: Cresols and phenol are moderately toxic by skin contact and are classified as severe skin irritants.

Dermal LD₅₀ : o-cresol skn-rat LD₅₀ 620 mg/kg; p-cresol skn-rat LD₅₀ 750 mg/kg; m-cresol skn-rat LD₅₀ 1100 mg/kg; phenol skn-rat LD₅₀ 669 mg/kg

ACUTE ORAL EFFECTS: Cresols and phenols classified as a poison by ingestion and skin contact. Oral LD₅₀ : o-cresol orl -rat LD₅₀ 121 mg/kg; p-cresol orl -rat LD₅₀ 207 mg/kg.

ETHYL ALCOHOL TOXICOLOGICAL INFORMATION: Oral rat LD₅₀: 5800mg/kg; inhalation rat LC₅₀: 16000 mg/l

Effects of chronic exposure: Irritation to mucous membrane. Acid burns to skin

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL TOXICITY

CRESYLIC ACID:

Cresols degrade rapidly in the environment and concentrations in water, even in worst case conditions, would not approach the levels that would pose a chronic

aquatic toxicity hazard.
METHYL CELLOSOLVE:
Rainbow Trout (Salmo gairdneri) 96 hr. LC 50: = 16000 mg/l (nominal, static)
Bluegill 96 hr. LC 50: > 10000 mg/l (nominal, static)
Daphnia magna 24 hr LC50: > 10000 mg/l (nominal, static)
Brine Shrimp 24 hr LC50: > 10000 mg/l (nominal, static)
ETHYL ALCOHOL:
Fish:Fathead Minnow 96 hr. LC 50: 15300 mg/l

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. The user of this material has the responsibility to dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14: TRANSPORT INFORMATION

Refer to the following when using the below information and reshipping Inks and Thinners:

FLASH POINT 73 – 149 (HAZARDOUS BY GROUND IN 5 GALLON CONTAINER)
FLASHPOINT UNDER 73 (HAZARDOUS BY GROUND IN QUART OR LARGER CONTAINER)
AND FLASHPOINT 149 OR UNDER (HAZARDOUS BY AIR IN ANY UNIT OF MEASURE)

If size deems shipment hazardous, below markings are required

U.S. DEPARTMENT OF TRANSPORTATION (LAND, D.O.T.)

PROPER SHIPPING NAME: Printing Ink
HAZARD CLASS: 3
ID NUMBER: 1210
PACKING GROUP: II

WATER TRANSPORTATION (WATER, I.M.O.)

PROPER SHIPPING NAME: Printing Ink
HAZARD CLASS: 3
ID NUMBER: 1210
PACKING GROUP: II

AIR TRANSPORTATION (AIR, I.C.A.O.)

PROPER SHIPPING NAME: Printing Ink
HAZARD CLASS: 3
ID NUMBER: 1210
PACKING GROUP: II

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCE CONTROL ACT):

311/312 HAZARD CATEGORIES: "Fire Hazard", "Immediate Acute Health Hazard", "Flammable Liquid"

U.S. FEDERAL REGULATIONS: Methyl Cellosolve and Cresylic Acid are subject to reporting requirements of SARA Title III, Section 313 of the Emergency Planning Community Right to Know Act of 1986 and of 40 CFR 372. This product is in compliance with the EPA TSCA inventory.

STATE REGULATIONS: California Safe Drinking Water Act (Prop 65) Listing: "WARNING: This product contains a chemical known to the State of California to cause cancer and/or birth defects or other reproductive harm"

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: The hazards listed on this MSDS are taken from the MSDS for each of the ingredients in this mixture. In most cases, the maximum form of hazard is represented here. The TLV's represent the conditions under which it is believed that nearly all workers may be repeatedly exposed day after day without adverse effect . It must be remembered that each individual reacts differently and some may experience discomfort while others do not. This MSDS is presented so that each individual will have the information to deal safely with the use of this product. All material's TSCA listed.

PREPARATION INFORMATION: Prepared by Specialty Ink Company, Inc.
DATE PREPARED: March 18, 2010
SUPERCEDES ALL PREVIOUSLY DATED MSDS

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