

MATERIAL SAFETY DATA SHEET



Pro ColorFlex Ink Corporation

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PRODUCT HMIS RATINGS

Health.....2 (Moderate)

Flammability.....3 (High)

Reactivity.....0 (Minimal)

SECTION A - PRODUCT INFORMATION

Trade Name: Ultra Perm. Opaque Ink

Product ID: Varies with color.

Product Class: Industrial Stamp Ink

Manufacturer: Pro ColorFlex Ink Corp.

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SECTION B - HAZARDOUS COMPONENTS

n-Propanol	CAS# 71-23-8	<25%	Flammable Liquid; Eye, Skin and Respiratory Irritant	200 ppm (ACGI TLV-TWA) 200 ppm (OSHA PEL)
Alcohol	CAS# 71-36-3	<2%	Flammable Liquid Eye, Skin and Respiratory Irritant	50 ppm (ACGI TLV-TWA) 50 ppm (OSHA PEL)
⁽¹⁾ Glycol Ether	CAS# 111-15-9	<32%	Combustible Liquid; Eye, Skin and Respiratory Irritant	5 ppm (ACGI TLV-TWA) 100 ppm (OSHA PEL)
Ethyl Acetate	CAS# 141-78-6	<8%	Flammable Liquid; Eye, Skin and Respiratory	400 ppm (ACGI TLV-TWA) 400 ppm (OSHA PEL)
⁽¹⁾⁽²⁾ Toluene	CAS# 108-88-3	<5%	Flammable Liquid Eye, Skin and Respiratory	20 ppm (ACGI TLV-TWA) 200 ppm (OSHA PEL)

(1)Chemicals subject to SARA Title III, Section 313 reporting. This notification must not be detached from this MSDS, and any copies of this MSDS must include this notification. This notification applies only to material while it is within the boundaries of the United States of America or its territories.

(2)WARNING:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

SECTION C - PHYSICAL DATA

APPEARANCE: Colored Liquid

PHYSICAL STATE: Liquid

EVAPORATION RATE (VS BUTYL ACETATE): Faster

% VOLATILE BY WEIGHT: 75.50%

BOILING RANGE: 207 °F

ODOR: Alcoholic

VAPOR DENSITY: Heavier

SOLUBILITY IN WATER: Insoluble

SECTION D - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 73 °F Tagliabue Closed Tester (ASTM D 56-79)

FLAMMABLE LIMITS: Lower 3.3% Upper: 19.00%

EXTINGUISHING MEDIA: Alcohol Foam, CO₂, Dry Chemical, Water Fog.

SPECIAL FIREFIGHTING PROCEDURES: Class I-B Flammable Liquid. Vapors from this product may concentrate in confined spaces and form an explosive mixture.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Product may produce hazardous fumes or hazardous decomposition products> Heated containers may rupture violently from excessive heat.

SECTION E - HEALTH HAZARD DATA

POISON! DANGER! HARMFUL OR FATAL IF SWALLOWED. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. VAPOR HARMFUL. FLAMMABLE LIQUID AND VAPOR. MAY AFFECT LIVER, KIDNEYS, BLOOD SYSTEM, OR CENTRAL NERVOUS SYSTEM. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT.

INHALATION:

Inhalation may cause irritation of the upper respiratory tract. Symptoms of overexposure may include fatigue, confusion, headache, dizziness and drowsiness. Peculiar skin sensations (e. g. pins and needles) or numbness may be produced. Very high concentrations may cause unconsciousness and death.

INGESTION:

Swallowing may cause abdominal spasms and other symptoms that parallel over-exposure from inhalation. Aspiration of material into the lungs can cause chemical pneumonitis, which may be fatal.

SKIN CONTACT:

Causes irritation. May be absorbed through skin.

EYE CONTACT:

Causes severe eye irritation with redness and pain.

CHRONIC EXPOSURE:

Reports of chronic poisoning describe anemia, decreased blood cell count and bone marrow hypoplasia. Liver and kidney damage may occur. Repeated or prolonged contact has a defatting action, causing drying, redness, dermatitis. Exposure to toluene may affect the developing fetus.

AGGRAVATION OF PRE-EXISTING CONDITIONS:

Persons with pre-existing skin disorders or impaired liver or kidney function may be more susceptible to the effects of this substance. Alcoholic beverage consumption can enhance the toxic effects of this substance.

SECTION F - EMERGENCY FIRST AID PROCEDURES:

INHALATION:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. CALL A PHYSICIAN IMMEDIATELY.

INGESTION:

Aspiration hazard. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately. If vomiting occurs, keep head below hips to prevent aspiration into lungs.

SKIN CONTACT:

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Call a physician immediately.

EYE CONTACT:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

SECTION G - REACTIVITY DATA

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable.

INCOMPATIBILITY: Oxidizers and alkali metal hydroxides.

CONDITIONS TO AVOID: Hot storage (above 80 °F), sparks and open flames. Avoid contact with strong oxidizing agents.

SECTION H - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:

SMALL SPILL: Remove all ignition sources. Small spills may be collected with absorbent materials. Wash area with soap and water, collect rinsates and containerize for disposal.

LARGE SPILL: Remove all ignition sources. Vapors are heavier than air and will concentrate at ground level. Contain spill immediately. Prevent from getting into public sewer, water systems or surface waters. Place in suitable container for disposal.

WASTE DISPOSAL INFORMATION: Dispose in accordance with Local, State and Federal regulations.

SECTION I - PROTECTIVE EQUIPMENT TO BE USED

VENTILATION: Provide sufficient mechanical ventilation.

PROTECTIVE GLOVES: If prolonged or repeated contact, wear impervious gloves.

EYE PROTECTION: Chemical splash goggles in compliance with OSHA regulations are advised.

RESPIRATORY PROTECTION: Not necessary under normal use conditions.

OTHER PROTECTIVE EQUIPMENT: Emergency eye wash stations should be readily available. Apron.

SECTION J - STORAGE AND HANDLING

Keep in cool, dry ventilated storage and in closed containers away from all sources of ignition. Wash thoroughly after handling. Ignition may occur at temperatures below those published in the literature as autoignition or ignition temperatures.

SECTION K - SPECIAL PRECAUTIONS

WARNING: Hot organic chemical vapors or mists are susceptible to sudden spontaneous combustion when mixed with air. Ignition may occur at temperatures below those published in the literature as autoignition or ignition temperatures.

SECTION L – OTHER INFORMATION

Disclaimer:

This Material Safety Data Sheet is provided without charge to customers of Pro ColorFlex Ink Corporation. Data is the most current know to Pro ColorFlex Ink Corporation at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.