

MATERIAL SAFETY DATA SHEET



Pro ColorFlex Ink Corporation

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PRODUCT HMIS RATINGS

Health.....2 (Slight)

Flammability.....3 (High)

Reactivity.....0 (Minimal)

SECTION A - PRODUCT INFORMATION

Trade Name: Indelible Ink

Product ID No: Varies With Color

Product Class: Stamp Ink

Manufacturer: Pro ColorFlex Ink Corp.

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SECTION B - HAZARDOUS COMPONENTS

Ethanol	CAS # 64-17-5	Flammable Liquid, Eye and Skin Irritant.	1000 ppm (ACGIH TLV-TWA) 1000 ppm (OSHA PEL)
Isopropanol	CAS # 67-63-0	Flammable Liquid, Eye and Skin Irritant	400 ppm (ACGIH TLV-TWA) 400 ppm (ACGIH TLV-TWA)
Methanol	CAS # 67-56-1	Flammable Liquid, Eye, Skin and Respiratory Irritant.	200 ppm (ACGI TLV-TWA) 400 ppm (OSHA PEL)
Ethyl Acetate	CAS # 141-78-6	Flammable Liquid, Eye, Skin and Respiratory Irritant.	400 ppm (ACGI TLV-TWA) 400 ppm (OSHA) PEL

SECTION C - PHYSICAL DATA

APPEARANCE: Thin Colored Liquid

BOILING RANGE (°F): 171

PHYSICAL STATE: Liquid

ODOR: Alcoholic

EVAPORATION RATE (VS BUTYL ACETATE): Faster

VAPOR DENSITY: Heavier

% VOLATILE BY WEIGHT: 63.00

SOLUBILITY IN WATER: Insoluble

SECTION D - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 73 0F 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

THRESHOLD LIMIT VALUE: Mixture. See section B, Hazardous components of mixture.

PRIMARY ROUTES OF ENTRY: Skin contact. Inhalation.

EFFECTS OF ACUTE OVEREXPOSURE: Prolonged or repeated exposure to this product may dry skin and cause dermatitis. Prolonged or repeated exposure may cause kidney, liver, lungs and heart damage.

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.