

I. Product Identification:
Product Name- Inland Ink Remover **Product Use-** Lab **LAST UPDATE 12-16-04**
Identification Number- 18205 **NFPA Hazard Ratings:** Health- 1, Fire- 3, Reac.- 0

II. Hazardous Components:

Hazardous Ingredients	CAS number	% Content by Volume
Ethanol	64-17-5	85 – 90%
Methanol	108-10-1	1 – 5%
Dimethyl ketone	67-64-1	1 – 7%

III. Hazards Identification:

Health Effects Eyes: May cause irritation.

Health Effects Skin: May cause irritation, drying of skin, redness, and dermatitis. May cause symptoms listed under inhalation. May be absorbed through damaged skin.

Health Effects Inhalation: Vapor harmful. May cause dizziness, watering of eyes, irritation of respiratory tract, irritation to the eyes, drowsiness, nausea, other central nervous system effects, spotted vision, dilation of pupils, and convulsions.

Health Effects Ingestion: POISON. CAN NOT BE MADE NON-POISONOUS. May be fatal or cause blindness. May produce fluid in the lungs and pulmonary edema. May cause dizziness, headache, nausea, drowsiness, loss of coordination, stupor, reddening of face and/or neck, liver, kidney and heart damage, coma, and death. May produce symptoms listed under inhalation.

Chronic Exposure Effects: May cause symptoms listed under inhalation, dizziness, fatigue, tremors, permanent central nervous system changes, blindness, pancreatic damage and death.

Medical Conditions Aggravated: Diseases of the liver.

Primary Route of Exposure: Inhalation, Ingestion and dermal.

IV. First Aid Data:

Eyes: Immediately flush eyes with large quantities of water for at least 15 minutes. If irritation from contact persists, get medical attention.

Skin: Wash with soap and water.

Inhalation: If user experiences breathing difficulty move to air free of vapors. Administer oxygen or artificial respiration until medical attention can be rendered.

Ingestion: Call your poison control center hospital emergency room or physician immediately for instructions to induce vomiting.

Note To Physician: POISON. This product contains methanol. Methanol is metabolized to formaldehyde and formic acid. These metabolites may cause metabolic acidosis, visual disturbances and blindness. Since metabolism is required for these toxic symptoms, their onset may be delayed from 6 to 30 hours following ingestion. Ethanol competes for the same metabolic pathway and has been used as an antidote. Methanol is effectively removed by hemodialysis. This formula is registered with POISINDEX. Call your local poison control center for further information.

V. Fire and Explosion Data:

Flash Method: SETA
Flash Point: 45° F (7.22° C)
Lower Explosion Limit: 1
General Comments: OSHA Flammability: Class IB
Extinguishing Method:

Use carbon dioxide, dry powder form.

Fire Fighting Procedures:

Self-contained respiratory protection should be provided for fire fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.

Fire and Explosion Hazards:

DANGER! FLAMMABLE. KEEP AWAY FROM HEAT, SPARKS, FLAME, AND ALL OTHER SOURCES OF IGNITION. Do not smoke.

Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and all other sources of ignition during use and until all vapors are gone. Beware of static electricity that may be generated by synthetic clothing and other sources.

VI. Chemical Handling:

Clean-Up: Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources; keep flares, smoking or flames out of hazard area. **SMALL SPILLS:** Take up liquid with sand, earth or other noncombustible absorbent material and place in a plastic container where applicable. **LARGE SPILLS:** Dike far ahead of spill for later disposal.

Water disposal: Dispose in accordance with applicable local, state and federal regulations.

Handling: Since empty containers retain residue, dispose of empty container according to all regulations. Do not reuse this container for other products.

Storage: Keep container tightly closed when not in use. Store in a cool, dry place. Do not store near flames or at elevated temperatures.

VII. Transportation Data:

Domestic: Alcohols, N.O.S., Class 3, UN1987, Packaging Group II
IMDG: Alcohols, N.O.S., Class 3, UN1987, Packaging Group II
IATA: Alcohols, N.O.S., Class 3, UN1987, Packaging Group II

VIII. Personal Protection Information:

Ventilation Protection: Use only with adequate ventilation to prevent build-up of vapors. Open all windows and doors. Use only with a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache nausea, or eye-watering – Stop – ventilation is inadequate. Leave area immediately.

Respiratory Protection: For OSHA controlled work place and other regular users – use only with adequate ventilation under engineered air-control systems designed to prevent exceeding appropriate TLV. For occasional use where engineered air control is not feasible, use properly maintained and properly fitted respirator for organic solvent vapors. A dust mask does not provide protection against vapors.

Skin Protection: Wear impermeable gloves. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product.

Eye Protection: Safety glasses, chemical goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn while working with chemicals.

Other Protection: Various application methods can dictate use of additional protective safety equipment; such as impermeable aprons, etc., to minimize exposure. A source of clean water should be available in the work area for flushing eyes and skin. Do not eat, drink or smoke in the

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work areas. Wash hands thoroughly contaminated by prior use. Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.

IX. PHYSICAL DATA:

Volatile%: 100% by weight
Boiling Point: 147°F 63.88°C
Boiling Range: 147°F -241°F
Vapor density: (air = 1.0) Heavier than air
Evaporation Rate: Slower than ether
Bulk Density: 6.61 lbs/gal at 75° F
pH Factor: N/E
Photo chemically Reactive: NO
Max V.O.C.: 792 grams per liter (excluding exempt solvents and water)
Max Vapor Pressure: (of the V.O.C.) 76mm Hg at 20° C
Incompatibilities: Incompatible with strong oxidizing agents
Decomposition: Decomposition may produce carbon monoxide and carbon dioxide.
Polymerization: Will not occur.
Stability: Stable

X. Regulatory Information:

Sara Hazard Category- Immediate health, Delayed health, Fire.
Canadian Right To Know-B.2, D.2B.