

# 1496 Safety Data Sheet

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** 1496 Ink  
**COLORS:** Black, Blue, Red, Green, Brown and all other dye based colors

**ADDRESS:** Hitt Marking Devices  
3231 W. MacArthur Blvd.  
Santa Ana, CA 92704  
Ph. 800-969-6699

**EMERGENCY PHONE:** Chemtrec 800-424-9300 (for chemical emergencies)  
**Emergency Phone Number(Outside U.S.and Canada):** 714-979-1405

**PREPARED BY:** Ken Hitt

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## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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<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>
Ethyl Alcohol	64-17-5	30-35		1000 ppm	1000 ppm
Butyl Alcohol	71-36-3	35-40	Yes	20 ppm	100 ppm
Hexyl Alcohol	111-27-3	3-5		50 ppm	50 ppm

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## SECTION 3: HAZARDS IDENTIFICATION

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**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

**EYES:** Irritation to eyes

**SKIN:** Irritation to skin

**INGESTION:** May cause nausea and or vomiting

**INHALATION:** Irritation to the respiratory system.

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## SECTION 4: FIRST AID MEASURES

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**EYES:** Affected individual should remove contact lens, if present. In case of contact with eyes, rinse immediately with plenty of water or saline solution. Get medical attention if irritation occurs.

**SKIN:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation occurs.

**INGESTION:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately

**INHALATION:** If inhaled, remove to fresh air. Get medical attention if symptoms appear. If exposed person is not breathing, give artificial respiration or oxygen applied by trained personnel.

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## SECTION 5: FIRE-FIGHTING MEASURES

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**FLAMMABLE LIMITS IN AIR, UPPER:** 10.5  
(% BY VOLUME) **LOWER:** 1.7

**FLASH POINT:** 98 F  
**METHOD USED:** Closed cup

**AUTOIGNITION TEMPERATURE:** 545 F

**HMIS HAZARD CLASSIFICATION**HEALTH: 2  
PROTECTION: B

FLAMMABILITY: 3

REACTIVITY: 0

**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. Slightly flammable to flammable in presence of heat. Use an extinguishing agent suitable for surrounding fires .

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**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.

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**SECTION 7: HANDLING AND STORAGE**

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**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:** 40-80 F**SHELF LIFE:** 12 months from date of manufacture

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**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:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. 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 use 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

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**PHYSICAL STATE AND APPEARANCE:** Liquid**ODOR:** Mild**BOILING POINT:** 251 F**MELTING POINT:** -121 F**VAPOR PRESSURE (mmHg):** 11

VAPOR DENSITY (AIR = 1): 2.8

SPECIFIC GRAVITY (H2O = 1): .81

REACTIVITY IN WATER: None

SOLUBILITY IN WATER: Negligible

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#### SECTION 10: STABILITY AND REACTIVITY

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STABILITY: Stable

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

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents

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

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): None

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#### SECTION 11: TOXICOLOGICAL INFORMATION

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

BUTYL ALCOHOL TOXICOLOGICAL INFORMATION: Eyes: No data available; Skin : Acute dermal LD50 (rabbit): 3,400 mg/kg; Inhalation Acute 4 hours LC50 (rat): 8 mg/l; Ingestion Acute oral LD50(rat): 750 mg/kg

HEXYL ALCOHOL TOXICOLOGICAL INFORMATION: Primary Eye Irritation Index (rabbits): 26.8 (unwashed), 32.6 (washed) at 24 hours; (Maximum score is 110. Irreversible corneal damage at day 3, the last day of observation. Acute Dermal LD50 (rabbits): 1.5 - 2.3 g/kg. Primary skin Irritation Index (rabbits): 5.1 (Maximum score is 8.0) Oral rat LD50: 3.1 - 4.9 g/kg. Inhalation rat: no deaths after 1 hour at 21 mg/l

Effects of chronic exposure: Skin and eye irritant. Injury to liver and kidneys.

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#### SECTION 12: ECOLOGICAL INFORMATION

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##### ENVIRONMENTAL TOXICITY

ETHYL ALCOHOL:

Fish: Fathead Minnow 96 hr. LC 50: 15300 mg/l

BUTYL ALCOHOL:

##### Aquatic toxicity

Non-toxic to aquatic life.

LC50 (P. Promelas (fathead minnow)) 96 hours 1,740 mg/l

HEXYL ALCOHOL:

96-hour LC50, fathead minnows: 97.2 mg/L.

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#### SECTION 13: DISPOSAL CONSIDERATIONS

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**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.

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#### SECTION 14: TRANSPORT INFORMATION

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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:** III

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

**PROPER SHIPPING NAME:** Printing Ink

**HAZARD CLASS:** 3

**ID NUMBER:** 1993

**PACKING GROUP:** III

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

**PROPER SHIPPING NAME:** Printing Ink

**HAZARD CLASS:** 3

**ID NUMBER:** 1210

**PACKING GROUP:** III

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**SECTION 15: REGULATORY INFORMATION**

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**U.S. FEDERAL REGULATIONS:**

**TSCA (TOXIC SUBSTANCE CONTROL ACT) LISTED:**

Ethyl Alcohol	64-17-5
Butyl Alcohol	71-36-3
Hexyl Alcohol	111-27-3

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

**U.S. FEDERAL REGULATIONS:** Butyl Alcohol is 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.

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**SECTION 16: OTHER INFORMATION**

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**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:** Clearsnap Holding LLC

**DATE PREPARED:** 9/24/2014

**SUPERCEDES ALL PREVIOUSLY DATED MSDS**

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