

1 . Product and company identification

Supplier/Manufacturer: Primera Technology, Inc.
Two Carlson Parkway North
Plymouth, MN 55447

Description :

Part number :

High Yield Cartridge, Yellow	53424
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Information: 1-859-232-3000

Emergency: 1-859-232-3333

2 . Composition/information on ingredients

Name	%	CAS number	OSHA PEL	ACGIH TLV
Water	75-80	7732-18-5	None	None
Water Soluble Organic Solvent	5 - 10	Trade secret NJTSRN 80100451-5051	None	None
Water Soluble Organic Solvent	1 - 5	Trade secret NJTSRN 80100451-5052	None	None
Water Soluble Organic Solvent	1 - 5	Trade secret NJTSRN 80100451-5055	None	None
Dye	0.1 - 1	Trade secret NJTSRN 80100451-5059	None	None
Dye	1 - 5	Trade secret NJTSRN 80100451-5050	None	None

3 . Hazards identification

- Hazard information** : **Route of exposure** : Dermal contact. Eye contact. Ingestion.
- Inhalation** : If ink mist is inhaled, respiratory tract irritation may occur. No known significant effects or critical hazards. Exposure not probable with intended use.
- Skin contact** : Not an irritant. Not a dermal sensitizer. No known significant effects or critical hazards.
- Eye contact** : Not an irritant. No known significant effects or critical hazards.
- Ingestion** : Low acute oral toxicity. Chronic toxicological testing of the ink formulation has not been performed.

4 . First aid measures

- Inhalation** : If symptoms, such as shortness of breath or persistent coughing are experienced, remove source of contamination and move individual to fresh air. If symptoms persist, seek medical attention.
- Skin contact** : Wash with soap and water. Should irritation occur, seek medical attention.
- Eye contact** : Do not rub eyes. Flush immediately with plenty of water. Remove contact lenses and continue flushing for at least 15 minutes. If irritation develops and persists, seek medical attention.

Ingestion	: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
Aggravated conditions	: None known.
Notes to physician	: No specific antidote.

5 . Fire-fighting measures

Flash point	: Solid. Ink > 200°C.
Auto-ignition temperature	: Not applicable.
Flammable limits	: Not determined.
Extinguishing media	: Carbon dioxide, water spray or fog, dry chemical or foam.
Hazardous combustion products	: Carbon monoxide, carbon dioxide, unidentified organics.
Special exposure hazards	: None known.
Special protective equipment for fire-fighters	: Fire fighters should wear full protective clothing, including self-contained breathing apparatus.
NFPA Rating	: Health: 1 Flammability: 1 Reactivity: 0
HMIS Classification	: Health: 1* Flammability: 1 Reactivity: 0

6 . Accidental release measures

Personal precautions	: Wear latex, vinyl, or nitrile gloves to prevent staining of skin.
Environmental precautions	: Unless specifically permitted for disposal, keep waste out of sewers, watersheds, and waterways. Disposal is subject to national, state, regional, or provincial regulations
Methods for cleaning up	: Small spill : Absorb small spills with cloth or paper towels or other suitable material. Product waste and emptied containers should be disposed of in accordance with local waste regulations. Dispose material in accordance with all local, state, and federal regulations.

7 . Handling and storage

Handling	: Keep from freezing. To avoid damage to cartridge and accidental contact with ink, keep out of reach of children.
Storage	: Store in a cool, dry place. Store away from oxidizing material.

8 . Exposure controls/personal protection

Engineering measures	: Not required. Use in a well-ventilated area.
Respiratory	: Not required under normal conditions of use.
Gloves	: Not required under normal conditions of use.
Skin protection	: Not required under normal conditions of use.
Eyes	: Not required under normal conditions of use.

9 . Physical and chemical properties

Physical state	: Liquid.
Color	: Yellow.
Odor	: Faint odor.
Solubility	: Miscible in water.

10 . Stability and reactivity

Stability and reactivity	: The product is stable.
Conditions to avoid	: None known.
Materials to avoid	: Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	: Carbon monoxide, carbon dioxide, unidentified organics.
Hazardous polymerization	: Will not occur.
Additional guidelines	: None.

11 . Toxicological information

Primary routes of exposure	: Inhalation of vapors, skin contact.
Ingestion	: Low acute oral toxicity. Exposure not probable with intended use.
Acute toxicity oral rat LD50 (mg/kg)	: >2000
Inhalation	: Low acute inhalation toxicity. As with exposure to high concentrations of any mist, minimal irritation of the respiratory tract may occur.
Aggravating conditions	: None known.
Potential chronic health effects	: CARCINOGENIC EFFECTS: Classified 3 (Not classifiable for humans.) by IARC [NJTSRN 80100451-5060]. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available.
Exposure limit values	: See Section 3.

12 . Ecological information

Mobility	: Not available.
Other information	: Decomposition products may include the following materials: carbon oxides (CO, CO ₂). Some metallic oxides. No significant toxicity to wastewater treatment organisms. Aerobic HA-50 Bacterial Toxicity Test: EC10 and EC50 >100 mg/l.

13 . Disposal considerations

Waste disposal	: This product is not a listed hazardous waste in accordance with Federal Regulation 40 CFR Part 261. If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal whether a material has been contaminated and should be classified as a hazardous waste. Disposal is subject to local, state and federal regulations.
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14 . Transport information

Not regulated by any transport mode.

15 . Regulatory information

United States

TSCA (USA)	: All ingredients are listed on the Toxic Substances Control Act (TSCA) inventory, have been registered, or are exempt.
SARA / EPCRA (USA)	: None of the ingredients in this product has a final reportable quantity (RQ) under Emergency Planning and Community Right-to Know Act (EPCRA)- Section 302: Extremely Hazardous Substances (EHS) or notification requirements for EHS under Section 304.

California Prop. 65	: This product contains no known materials at levels which the State of California has found to cause cancer, birth defects or other reproductive harm - California Proposition 65.
International regulations lists	
EINECS (Europe)	: All ingredients are listed on the European Inventory of Existing Commercial Substances (EINECS) list, have been registered on the European List of New Chemical Substances (ELINCS), or are exempt.
ENCS (Japan)	: All ingredients are listed on the Japanese Existing and New Chemical Substances (ENCS) list, have been registered, or are exempt.
AICS (Australia)	: All ingredients are listed in Australian Inventory of Chemical Substances (AICS), have been registered, or are exempt.
Philippines inventory (PICCS)	: All ingredients are listed on the Philippines Inventory (PICCS) or are exempt.
Korea inventory (KECI)	: All ingredients are listed on the Korean Existing Chemicals List (ECL), have been registered, or are exempt.
China inventory (IECSC)	: All ingredients are listed on the Chinese inventory (IECSC) or are exempt.
Canada	
WHMIS (Canada)	: Not controlled under WHMIS (Canada).
DSL/NDSL	: All ingredients are listed on the Canadian Domestic Substances List (DSL), have been registered on the Non-Domestic Substances List (NDSL), or are exempt.
Mexico Classification	: Health: 1 Flammability: 1 Reactivity: 0

16 . Other information

Revision comments	: No significant revisions to health and safety information.
References	: ANSI Z400.1, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. - Canada Gazette Part II, Vol. 122, No. 2. Registration SOR/88-64, 31 December 1987. Hazardous Products Act "Ingredient Disclosure List" - Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2005. - Official Mexican Standards NOM-018-STPS-2000 and NOM-004-SCT2-1994.
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Notice to reader

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