



MATERIAL SAFETY DATA SHEET
REMANUFACTURED HP C4906A (HP 940XL Bk)

SECTION 1: IDENTIFICATION

MANUFACTURER:	Cartridges Are Us	EMERGENCY NUMBER:	(815) 431-8100
ADDRESS:	100 Raycraft Dr. Ithaca, MI 48847	INFORMATION NUMBER:	(815) 431-8100
		DATE OF REVISION:	May 5, 2014

SECTION 2: PRODUCT COMPONENTS

INGREDIENTS	CAS#.	Cyan WT. %
2-Pyrrolidone	616-45-5	10 - 15
Carbon Black	1333-86-4	1 - 10

Refer to Section 8 for occupational exposure limits.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product contains a black liquid with a mild odor.

CAUTION! May cause eye and skin irritation. May be absorbed through the skin to cause effects similar to inhalation. Inhalation of vapors may cause irritation, headache, nausea and central nervous system effects. Prolonged overexposure may cause damage to the liver and kidneys. Harmful if swallowed. Aspiration during swallowing or vomiting may cause lung damage.

See Section 11 for detailed health effects information.

SECTION 4: EMERGENCY and FIRST AID PROCEDURES

INGESTION: Call a poison control center or doctor immediately for treatment advice. If conscious, give one 8 ounce glass of water to dilute. DO NOT induce vomiting unless directed by medical personnel. Do not give anything by mouth to or induce vomiting in a person who is unconscious or convulsing.

SKIN CONTACT: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation develops and persists. Launder contaminated clothing before reuse. Discard contaminated clothing such as shoes that cannot be decontaminated.

EYE CONTACT: Flush eyes with water for 15 minutes while lifting the upper and lower lids. Get medical attention.

INHALATION: Remove victim to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult have qualified personnel administer oxygen. Get medical attention.



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SECTION 5: FIRE and EXPLOSION HAZARD DATA

FLASH POINT: None **AUTOIGNITION TEMPERATURE:** Not available
FLAMMABLE LIMITS: (vol % in air) LEL: 0.8% (diethylene glycol monobutyl ether)
UEL: 24.6% (diethylene glycol monobutyl ether)
EXTINGUISHING MEDIA: Use alcohol foam, carbon dioxide and dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool fire exposed containers and structures with water.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.
HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, tetrahydrofuran and oxides of nitrogen.

SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear appropriate protective clothing as described in Section 8. Dike spill and absorb with an inert material. Collect into closable containers for proper disposal. Report spill as required by local and federal regulations.

SECTION 7: HANDLING and STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Protect containers from physical damage. Store in a cool (68°F), dry area away from oxidizers and other incompatible materials.

Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Use with adequate ventilation. Remove and launder contaminated clothing before re-use. Wash thoroughly after handling and before eating, drinking, smoking or using toilet facilities.

SECTION 8: EXPOSURE CONTROLS and PERSONAL PROTECTION

INGREDIENTS	CAS#.	EXPOSURE LIMITS
2-Pyrrolidone	616-45-5	None Established
Carbon Black	1333-86-4	3.5 mg/m ³ TWA OSHA PEL 3.5 mg/m ³ TWA ACGIH TLV

EXPOSURE LIMITS: Use in a well ventilated area.

PERSONAL PROTECTIVE EQUIPMENT: Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

PROTECTIVE CLOTHING: Use personal protective equipment to minimize exposure to skin and eye.

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

BOILING POINT (@760 mmHg): 212°F
SPECIFIC GRAVITY (H₂O=1): 1.00 – 1.10
VAPOR PRESSURE: 17.5 mmHg
VAPOR DENSITY (Air=1): Heavier than air
SOLUBILITY IN WATER: Complete
APPEARANCE: Black liquid

FREEZING POINT: Not available
COEFFICIENT of WATER/OIL: Not available
EVAPORATION RATE: < Butyl Acetate
pH: 7.0 – 8.5



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SECTION 10: STABILITY and REACTIVITY

STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY: Strong oxidizing agents, strong acids, strong bases and hydrogen peroxide.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield carbon monoxide, carbon dioxide, , tetrahydrofuran, and nitrogen oxides

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

EYE CONTACT: May cause mild irritation with redness and tearing

SKIN CONTACT: Contact may cause mild skin irritation.

INHALATION: Vapors or mists may cause respiratory irritation with headache, dizziness, nausea, drowsiness, uncoordination, euphoria, visual disturbances, fatigue and unconsciousness.

INGESTION: Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea, severe metabolic acidosis, and damage to the kidneys and liver. Aspiration into the lungs during swallowing or vomiting may cause lung damage.

CHRONIC EFFECTS of OVEREXPOSURE: Prolonged exposure may cause dermatitis. Prolonged or repeated overexposure may cause damage to the kidneys or liver. Carbon black has been found to be mutagenic in some test systems. 2-pyrrolidione was found to cause birth defects in studies with laboratory animals.

CARCINOGENICITY: None of the components of this products are listed as a carcinogen by NTP, IARC or OSHA.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with chronic skin, respiratory, kidney and liver disorders may be at increased risk from exposure to this material.

TOXICOLOGY DATA: Toxicity values for this chemical are:

2-Pyrrolidone:	Oral rat LD ₅₀ : 6,500 mg/kg
Carbon Black:	Oral rat LD ₅₀ : 15,400 mg/kg
	Skin rabbit LD ₅₀ : >3,000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

2-Pyrrolidone:	EC ₅₀ /48 hour daphnia magna >500 mg/l
	LC ₅₀ /48 hour golden orfe >500 mg/l
Carbon Black:	LC ₅₀ /96 hr fathead minnow > 100 mg/l
	EC ₅₀ /24 hour daphnia magna > 1,000 mg/l

SECTION 13: DISPOSAL INFORMATION

WASTE DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations.



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SECTION 14: TRANSPORTATION INFORMATION

DOMESTIC TRANSPORTATION

DOT SHIPPING NAME: Not Regulated
DOT HAZARD CLASSIFICATION: Not Regulated
DOT LABELS REQUIRED (49CFR172.101): Not Applicable
UN NUMBER: None

INTERNATIONAL TRANSPORTATION

IMDG SHIPPING NAME: Not Regulated
IMDG CLASS: Not Regulated
UN NUMBER: Not Applicable
IMDG LABEL: None

SECTION 15: REGULATORY INFORMATION

OSHA HAZARD CLASSIFICATION: Irritant, target organ effects, carcinogen
EPA SARA 311 HAZARD CLASSIFICATION: Acute health, chronic health

SARA TITLE 111 SECTION 313 INFORMATION: This product contains the following chemicals that are regulated under SARA 313: None

CERCLA HAZARDOUS SUBSTANCE (40CFR 116): Not applicable
REPORTABLE QUANTITY: Not applicable

STATE R-T-K COMPOSITION INFORMATION

COMPONENT	CAS #	WT%	PA	MA
2-Pyrollidone	616-45-5	10 - 15	Y	Y
Carbon Black	1333-86-4	1-10	Y	Y

CALIFORNIA PROPOSITION 65 INFORMATION: This product contains carbon black. California lists carbon black (airborne, unbound particles of respirable size) as known to cause cancer. This product contains no unbound carbon black. Therefore no warning is required.

WHMIS CLASSIFICATION: Class D - Division 2 - Subdivision A (Very toxic material causing other toxic effects)

SECTION 16: OTHER INFORMATION

NFPA Rating: Health = 1 Fire = 0 Reactivity = 0
HMIS Rating: Health = 1 Fire = 0 Reactivity = 0