

CLOVER
TECHNOLOGIES GROUP™
MATERIAL SAFETY DATA SHEET
REMANUFACTURED HP 9361 (97)

SECTION 1: IDENTIFICATION

MANUFACTURER:	Clover Technologies	EMERGENCY NUMBER:	(815) 431-8100
ADDRESS:	4200 Columbus St. Ottawa, IL 61350	INFORMATION NUMBER:	(815) 431-8100
		DATE OF REVISION:	May 15, 2014

SECTION 2: PRODUCT COMPONENTS

INGREDIENTS	CAS#.	Cyan WT. %	Magenta WT. %	Yellow WT. %
Glycol Solvent	FL PROP96	1 – 10	5 – 15	1 – 10
Dye	SUPPLYPROP 95		5 – 15	
n-Butanol	71-36-3	< 2	< 2	
Ethanol	64-17-5	< 2	< 2	
Glycol	FL PROP106			1 – 10
Isopropyl Alcohol	67-63-0			1 – 10
2-Pyrrolidone	616-45-5	10 – 20		
Phthalocyanine Dye	FL PROP52	1 – 10		

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product contains cyan (blue), magenta (red), and yellow liquids with a mild odor.

CAUTION! May cause eye and skin irritation. Ingestion may cause gastrointestinal irritation, headache, nausea, and diarrhea.

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 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: NA
UEL: NA

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 and carbon dioxide.

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
Glycol Solvent	FL PROP96	10 mg/m ³ OSHA PEL TWA (mist only) 10 mg/m ³ ACGIH TLV (mist)
Dye	SUPPLYPROP 95	None Established
n-Butanol	71-36-3	50ppm OSHA PEL / ACGIH TLV
Ethanol	64-17-5	1000ppm OSHA TWA / ACGIH TWA-TLV
Glycol	FL PROP106	None Established
Isopropyl Alcohol	67-63-0	400ppm ACGIH TWA-TLV
Phthalocyanine Dye	FL PROP52	1.0 mg/m ³ OSHA (as Cu dusts/mists) 0.5 – 2% copper in complex form.

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.



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SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

BOILING POINT (@760 mmHg): 200°F

SPECIFIC GRAVITY (H₂O=1): 1.00 – 1.10

VAPOR PRESSURE: Not available

VAPOR DENSITY (Air=1): Heavier than air

SOLUBILITY IN WATER: Complete

APPEARANCE: Cyan, Magenta, and Yellow liquids.

FREEZING POINT: Not available

COEFFICIENT of WATER/OIL: Not available

EVAPORATION RATE: > Butyl Acetate

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, nitrogen oxides, aldehydes, acrolein and tetrahydrofuran.

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: None known to exist.

INGESTION: Swallowing may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

CHRONIC EFFECTS of OVEREXPOSURE: None known to exist.

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

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known or determined for this product.

TOXICOLOGY DATA: No information available:

SECTION 12: ECOLOGICAL INFORMATION

Do not discharge product uncontrolled into the environment.

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

EPA SARA 311 HAZARD CLASSIFICATION: Acute health

SARA TITLE 111 SECTION 313 INFORMATION: This product contains the following chemicals that are regulated under SARA 313:

COMPONENT	CAS #	WT%
n-Butanol	71-36-3	< 2%

CERCLA HAZARDOUS SUBSTANCE (40CFR 116): Not applicable

REPORTABLE QUANTITY: Not applicable

CALIFORNIA PROPOSITION 65 INFORMATION: This product contains no California Proposition 65 regulated chemicals.

WHMIS CLASSIFICATION: Class D - Division 2 - Subdivision B (Toxic material causing other chronic effects)

SECTION 16: OTHER INFORMATION

NFPA Rating: Health = 2 Fire = 0 Reactivity = 0

HMIS Rating: Health = 2 Fire = 0 Reactivity = 0