



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** CH125A  
**Use of the preparation** Inkjet printing.  
**Version #** 01  
**Revision date** 03-04-2009  
**CAS #** Mixture  
**Synonym(s)** ColorSpan 0901582-103 (3M Yellow, Inkjet Ink 5492)  
**Company identification** Hewlett-Packard Company  
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**Date prepared** Mar 04, 2009  
**MSDS number** 346861

## 2. Hazards Identification

**Emergency overview** Causes severe irritation of eyes, skin and mucous membranes.  
After contact with skin, wash immediately with plenty of water.

**Acute health effects**

**Skin contact** Avoid contact with skin.  
Prolonged or repeated skin contact may cause skin irritation or allergic skin sensitization reaction.  
*Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione Complexes*  
May cause sensitization by skin contact.

**Eye contact** Irritating to eyes.

**Inhalation** Avoid breathing vapors or mists of this product. Inhalation of vapors or mists of the product may be irritating to the respiratory system.

**Ingestion** Ingestion is not expected to be a primary route of exposure for this product under normal use conditions. Harmful if swallowed. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Potential health effects**

**Routes of exposure** Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.

**Carcinogenicity** Contains material which may cause cancer. Contains Nickel.

## 3. Composition / Information on Ingredients

Component/substance	CAS number	% by weight
Aliphatic Urethane Acrylate	Unknown	10-20
Isobornyl Acrylate	5888-33-5	10-20
Isooctyl Acrylate	29590-42-9	10-20
Tetrahydrofurfuryl Acrylate	2399-48-6	10-20
Melamine	108-78-1	<5
1,6-Hexanediol Diacrylate	13048-33-4	1-10



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Acrylic Ester	Unknown	1-5
Amine Modified Acrylate Oligomer	Unknown	1-10
Benzophenone	119-61-9	1-10
Diphenyl (2,4,6-trimethylbenzoyl) phosphineoxide	75980-60-8	1-10
Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione Complexes	68511-62-6	1-5

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## 4. First Aid Measures

### First aid procedures

<b>Eye contact</b>	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.
<b>Skin contact</b>	In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Wash clothing separately before reuse. Get medical attention.
<b>Inhalation</b>	Move person to fresh air immediately. Call a physician if symptoms develop or persist.
<b>Ingestion</b>	Rinse mouth out with water. If swallowed, do NOT induce vomiting. Drink one to two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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## 5. Fire Fighting Measures

<b>Flash point and method</b>	> 200 °F (> 93.3 °C) Closed Cup;
<b>Hazardous combustion products</b>	Carbon monoxide and carbon dioxide.
<b>Flammable properties</b>	Containers may explode when heated.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Dry chemical, carbon dioxide.
<b>Unsuitable extinguishing media</b>	Water may be ineffective.
<b>Unusual fire and explosion hazard</b>	Containers may explode when heated.
<b>Protection of firefighters</b>	
<b>Protective equipment and precautions for firefighters</b>	Move containers from fire area if you can do it without risk.

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## 6. Accidental Release Measures

<b>Personal precautions</b>	Avoid contact with skin. Avoid inhalation of vapors or mists. Do not touch or walk through spilled material. Ensure adequate ventilation. Use personal protective equipment to minimize exposure to skin and eye.
<b>Environmental precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for cleaning up</b>	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
<b>Other information</b>	Soak up with inert absorbent material.

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## 7. Handling and Storage

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Wear personal protective equipment.
<b>Storage</b>	Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat, sparks, and flame. Keep away from oxidizers. Keep out of the reach of children.



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## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### U.S. - OSHA

##### Components

Components	Type	Value
Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione Complexes (68511-62-6)	PEL	1 mg/m3
	TWA	1 mg/m3

### Personal protective equipment

#### Eye / face protection

Wear safety glasses with side shields (or goggles) and a face shield. Eye wash fountain and emergency showers are recommended.

#### Skin protection

Wear appropriate chemical resistant clothing. Wear appropriate chemical resistant gloves. The use of nitrile-latex gloves is recommended. When material is heated, wear gloves to protect against thermal burns.

#### Respiratory protection

Do not breathe dust or spray mist. Provide adequate ventilation. A NIOSH- approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

#### General hygiene considerations

Do not get this material in contact with skin. Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

Launder contaminated clothing before reuse.

## 9. Physical & Chemical Properties

Color	Yellow
Odor	Acrylic.
Odor threshold	Not available.
Physical state	Liquid.
pH	Not available.
Melting point	Not available.
Freezing point	Not available.
Boiling point	> 200 °F (> 93.3 °C)
Flash point	> 200 °F (> 93.3 °C) Closed Cup;
Evaporation rate	Not available.
Flammability	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	10 mmHg @ 20C
Vapor density	1 (Air=1)
Specific gravity	Not available.
Relative density	1.04 g/cm <sup>3</sup>
Solubility (water)	Negligible
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
VOC	< 95 g/L



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## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable at normal conditions.
<b>Conditions to avoid</b>	Heat, flames and sparks. This product may react with oxidizing agents.
<b>Hazardous decomposition products</b>	Carbon monoxide and carbon dioxide.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization can occur with decreased inhibitor content.

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## 11. Toxicological Information

### Carcinogenicity

#### IARC Monographs on Occupational Exposures to Chemical Agents: Evidence of carcinogenicity in humans

Melamine (108-78-1)	Inadequate data.
Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione Complexes (68511-62-6)	Sufficient data.

#### US NTP Report on Carcinogens: Known carcinogen

Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione Complexes (68511-62-6)	Known carcinogen.
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## 12. Ecological Information

<b>Aquatic toxicity</b>	This product has not been tested for ecological effects.
<b>Persistence and degradability</b>	Not available.

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## 13. Disposal Considerations

<b>Disposal instructions</b>	Do not allow this material to drain into sewers/water supplies. Dispose of in compliance with federal, state, and local regulations.
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## 14. Transport Information

### IATA

Not regulated as dangerous goods.

<b>General</b>	not regulated
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## 15. Regulatory Information

<b>US federal regulations</b>	All ingredients are listed or exempt
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#### US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione Complexes (68511-62-6)	0.1 % N495
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#### US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione Complexes (68511-62-6)	N495 Listed.
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#### CERCLA (Superfund) reportable quantity

None

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

<b>Hazard categories</b>	Immediate Hazard - No Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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<b>Section 302 extremely hazardous substance</b>	No
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<b>Section 311 hazardous chemical</b>	Yes
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## State regulations

### US - New Jersey Community RTK (EHS Survey): Listed substance

Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione Substance no. 2366  
Complexes (68511-62-6)

### US - New Jersey Community RTK (EHS Survey): Reportable threshold

Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione 500 LBS  
Complexes (68511-62-6)

### US - Pennsylvania RTK - Hazardous Substances: Listed substance

Melamine (108-78-1) Listed.

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## 16. Other Information

### HMIS® ratings

Health: 2  
Flammability: 1  
Physical hazard: 2

### NFPA ratings

Health: 2  
Flammability: 1  
Instability: 2

### Issue date

Mar 4 2009 1:20AM

### Revision

1

### Disclaimer

This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard Company. Data is the most current known to Hewlett-Packard Company at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.

## Explanation of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds

### Manufacturer information

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