



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name CH126A
Use of the preparation Inkjet printing.
Version # 01
Revision date 03-04-2009
CAS # Mixture
Synonym(s) ColorSpan 0901582-104 (3M Black Inkjet Ink 5495)
Company identification Hewlett-Packard Company
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Date prepared Mar 04, 2009
MSDS number 347121

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.

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.

3. Composition / Information on Ingredients

Component/substance	CAS number	% by weight
Isobornyl Acrylate	5888-33-5	10-25
Isooctyl Acrylate	29590-42-9	10-25
Tetrahydrofurfuryl Acrylate	2399-48-6	10-30
Amine Modified Acrylate Oligomer	Unknown	5-25
1,6-Hexanediol Diacrylate	13048-33-4	1-10
Acrylic Ester	Unknown	1-5
Aliphatic Urethane Acrylate	Unknown	1-10
Benzophenone	119-61-9	1-10
Carbon black	1333-86-4	1-5
Diphenyl (2,4,6-trimethylbenzoyl) phosphineoxide	75980-60-8	1-10



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Composition comments

Carbon black is present only in a bound form in this preparation.

4. First Aid Measures

First aid procedures

Eye contact

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.

Skin contact

In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Wash clothing separately before reuse.
Get medical attention.

Inhalation

Move person to fresh air immediately.
Call a physician if symptoms develop or persist.

Ingestion

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.

5. Fire Fighting Measures

Flash point and method

> 200 °F (> 93.3 °C) Closed Cup;

Hazardous combustion products

Carbon monoxide and carbon dioxide.

Flammable properties

Containers may explode when heated.

Extinguishing media

Suitable extinguishing media

Dry chemical, carbon dioxide.

Unsuitable extinguishing media

Water may be ineffective.

Unusual fire and explosion hazard

Containers may explode when heated.

Protection of firefighters

Protective equipment and precautions for firefighters

Move containers from fire area if you can do it without risk.

6. Accidental Release Measures

Personal precautions

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.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Other information

Soak up with inert absorbent material.

7. Handling and Storage

Handling

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product.
Use with adequate ventilation.
Wear personal protective equipment.

Storage

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.

8. Exposure Controls / Personal Protection

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.



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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	Black
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	Not available.
Specific gravity	Not available.
Relative density	1.04 g/cm ³
Solubility (water)	Negligible
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
VOC	< 95 g/L

10. Chemical Stability & Reactivity Information

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

11. Toxicological Information

Carcinogenicity	Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint.
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IARC Monographs on Occupational Exposures to Chemical Agents: Evidence of carcinogenicity in humans

Carbon black (1333-86-4) Inadequate data.

US ACGIH Threshold Limit Values: A4 carcinogen

Carbon black (1333-86-4) Group A4 Not classifiable as a human carcinogen.

Symptoms and target organs

Target Organs (NIOSH)

Carbon black (1333-86-4)

Eyes

Carbon black (1333-86-4)

Respiratory system

12. Ecological Information

Aquatic toxicity

This product has not been tested for ecological effects.

Persistence and degradability

Not available.

13. Disposal Considerations

Disposal instructions

Do not allow this material to drain into sewers/water supplies.
Dispose of in compliance with federal, state, and local regulations.

14. Transport Information

IATA

Not regulated as dangerous goods.

General

not regulated

15. Regulatory Information

US federal regulations

All ingredients are listed or exempt

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - No
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance

No

Section 311 hazardous chemical

Yes

State regulations

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Carbon black (1333-86-4)

Listed.

16. Other Information

HMIS® ratings

Health: 2
Flammability: 1
Physical hazard: 2

NFPA ratings

Health: 2
Flammability: 1
Instability: 2

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Revision

1



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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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