



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name CH128A
Use of the preparation Inkjet printing.
Version # 01
Revision date 02-27-2009
CAS # Mixture
Synonym(s) ColorSpan 0901582-106 (3M 5481 Light Magenta Inkjet Ink)
Company identification Hewlett-Packard Company
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Date prepared Feb 27, 2009
MSDS number 339724

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 | 5-20 |
| 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 |
| Diphenyl (2,4,6-trimethylbenzoyl) phosphineoxide | 75980-60-8 | 1-10 |



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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

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|----------------------------------|---|
| 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. |
| 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. |



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| 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 | Light Magenta |
| 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

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|---|--|
| 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

Not available.

12. Ecological Information

| | |
|--------------------------------------|--|
| Aquatic toxicity | This product has not been tested for ecological effects. |
| Persistence and degradability | Not available. |



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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

16. Other Information

HMIS® ratings Health: 2
Flammability: 1
Physical hazard: 2

NFPA ratings Health: 2
Flammability: 1
Instability: 2

Issue date Feb 27 2009 4:46AM

Revision 1

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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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