1. Product and Company Identification

Material name: CN834Series
Version #: 02
Issue date: 15-Mar-2012
Revision date: 09-Dec-2013
Product use: Inkjet printing
Synonym(s): HP XP220 Light Black Scitex Ink

Company identification: Hewlett-Packard Company
3000 Hanover Street
Palo Alto, CA 94304-1185
United States
Telephone 650-857-5020
Hewlett-Packard health effects line
(Toll-free within the US) 1-800-457-4209
(Direct) 1-760-710-0048
HP Customer Care Line
(Toll-free within the US) 1-800-474-6836
(Direct) 1-208-323-2551
Email: hpcustomer.inquiries@hp.com

2. Hazards Identification

Emergency overview: Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Potential health effects:

- **Eyes**: Irritating to eyes. Avoid contact with eyes.
- **Skin**: Contact causes skin irritation. May cause sensitization by skin contact. Avoid contact with the skin.
- **Inhalation**: Do not breathe vapour. Inhalation of vapors or mists of the product may be irritating to the respiratory system.
- **Ingestion**: May be harmful if swallowed.

Other hazards: Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk.

None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.

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

None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isobornyl acrylate</td>
<td>5888-33-5</td>
<td>&lt;40</td>
</tr>
<tr>
<td>Lauryl acrylate</td>
<td>2156-97-0</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Tetrahydrofurfuryl Acrylate</td>
<td>2399-48-6</td>
<td>&lt;10</td>
</tr>
<tr>
<td>N-vinylcaprolactam</td>
<td>2235-00-9</td>
<td>&lt;5</td>
</tr>
<tr>
<td>Substituted phosphine oxide</td>
<td>Proprietary</td>
<td>&lt;5</td>
</tr>
<tr>
<td>Acrylate mixture</td>
<td>Proprietary</td>
<td>&lt;2.5</td>
</tr>
</tbody>
</table>
Non-hazardous components

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black pigment</td>
<td>Proprietary</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Dipropylene Glycol Diacrylate</td>
<td>57472-68-1</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Propiophenone derivative</td>
<td>Proprietary</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

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

4. First Aid Measures

General advice
No information

First aid procedures

Eye contact
Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists get medical attention.

Skin contact
Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.

Inhalation
Move to fresh air. If symptoms persist, get medical attention.

Ingestion
If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

5. Fire Fighting Measures

Flammable properties
None known.

Extinguishing media

Suitable extinguishing media
Dry powder. Carbon dioxide (CO2). Water may be ineffective.

Unsuitable extinguishing media
Water.

Protection of firefighters

Protective equipment and precautions for firefighters
Avoid runoff into storm sewers and ditches which lead to waterways.

Fire fighting equipment/instructions
Not available.

6. Accidental Release Measures

Personal precautions
Wear appropriate personal protective equipment.

Environmental precautions
Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

Other information
Soak up with inert absorbent material. Slowly vacuum or sweep the material into a bag or other sealed container.

7. Handling and Storage

Handling
Avoid contact with skin, eyes and clothing.

Storage
Keep away from excessive heat or cold. Do not store in direct sunlight. Do not handle or store near an open flame, heat or other sources of ignition. Opaque, high density polyethylene (HDPE) containers are recommended for shipping and storage.

8. Exposure Controls / Personal Protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black pigment (CAS Proprietary)</td>
<td>TWA</td>
<td>3 mg/m³</td>
<td>Inhalable fraction</td>
</tr>
</tbody>
</table>

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black pigment (CAS Proprietary)</td>
<td>PEL</td>
<td>3.5 mg/m³</td>
</tr>
</tbody>
</table>
US. NIOSH: Pocket Guide to Chemical Hazards

Components | Type | Value
---|---|---
Black pigment (CAS Proprietary) | TWA | 0.1 mg/m³

US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A

Components | Type | Value
---|---|---
Black pigment (CAS Proprietary) | TWA | 3.5 mg/m³

Exposure guidelines
Exposure limits have not been established for this product.

Engineering controls
Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits.

Personal protective equipment
General
Avoid contact with the skin and the eyes. Structural firefighters protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations. when making new working solution

9. Physical & Chemical Properties

Appearance
Liquid.

Physical state
Not available.

Form
Liquid.

Color
Black.

Odor
Characteristic.

pH
Not available.

Vapor pressure
Not available.

Boiling point
Not available.

Melting point/Freezing point
Not available.

Solubility (water)
Not available.

Specific gravity
Not available.

Flash point
> 212.00 °F (> 100.00 °C) Closed Cup

VOC
< 95 g/L

Other information
For other VOC regulatory data/information see Section 15.

10. Chemical Stability & Reactivity Information

Chemical stability
Stable under normal storage conditions.

Conditions to avoid
Exposure to sunlight.

Incompatible materials
Incompatible with strong bases and oxidizing agents. alkaline metals

Hazardous decomposition products
Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Possibility of hazardous reactions
Hazardous polymerization can occur with decreased inhibitor content.

11. Toxicological Information

Toxicological data

Components | Species | Test Results
---|---|---
Black pigment (CAS Proprietary) | Acute | Oral
LD50 | Rat | > 8000 mg/kg

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.
ACGIH Carcinogens
CARBON BLACK, INHALABLE FRACTION (CAS Proprietary) A3 Confirmed animal carcinogen with unknown relevance to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity
Black pigment (CAS Proprietary) 2B Possibly carcinogenic to humans.

<table>
<thead>
<tr>
<th>Serious eye damage/eye irritation</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Further information</td>
<td>Complete toxicity data are not available for this specific formulation</td>
</tr>
</tbody>
</table>

12. Ecological Information

<table>
<thead>
<tr>
<th>Aquatic toxicity</th>
<th>Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecotoxicity</td>
<td>No data available.</td>
</tr>
<tr>
<td>Persistence and degradability</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

13. Disposal Considerations

<table>
<thead>
<tr>
<th>Disposal instructions</th>
<th>Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Ensure collection and disposal with an appropriately licensed waste contractor.</th>
</tr>
</thead>
</table>

14. Transport Information

**DOT**
Not regulated as dangerous goods.

**IATA**
- **UN number**: UN3082
- **UN proper shipping name**: Environmentally Hazardous Substance, Liquid, N.O.S. (Isobornyl acrylate, Lauryl acrylate)
- **Transport hazard class(es)**: 9
- **Packing group**: III

**IMDG**
- **UN number**: UN3082
- **UN proper shipping name**: Environmentally Hazardous Substance, Liquid, N.O.S. (Isobornyl acrylate, Lauryl acrylate)
- **Transport hazard class(es)**: 9
- **Packing group**: III

**RID**
- **Basic shipping requirements**: Environmentally Hazardous Substance, Liquid, N.O.S (Isobornyl acrylate, Lauryl acrylate)
- **Hazard class**: 9
- **UN number**: 3082
- **Packing group**: III
15. Regulatory Information

US federal regulations  All ingredients are listed or exempt

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number
Not listed.

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))
Not regulated.

DEA Exempt Chemical Mixtures Code Number
Not regulated.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

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

SARA 302 Extremely hazardous substance  No
SARA 311/312 Hazardous chemical  No

Other information  VOC content (less water, less exempt compounds) = < 95 g/L (U.S. requirement, not for emissions) VOC data based on formulation (Organic compounds minus solids)

Other regulations  Notified according to EU Regulations.

State regulations


US, Massachusetts RTK - Substance List  Black pigment (CAS Proprietary)


US, Rhode Island RTK  Black pigment (CAS Proprietary)

16. Other Information

HMIS® ratings  Health: 2*
Flammability: 1
Physical hazard: 2
NFPA ratings
Health: 2
Flammability: 1
Instability: 2

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.

Other information
This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).

Issue date
15-Mar-2012

This data sheet contains changes from the previous version in section(s):
- Hazards Identification: Emergency overview
- Hazards Identification: Eyes
- Hazards Identification: Skin
- Hazards Identification: Inhalation
- Hazards Identification: Ingestion
- Hazards Identification: Other hazards
- Composition / Information on Ingredients: Disclosure Overrides
- 5. Fire Fighting Measures: Protective equipment and precautions for firefighters
- Physical & Chemical Properties: Multiple Properties
- 9. Physical & Chemical Properties: Other information
- 14. Transport Information: Material Transportation Information
- 15. Regulatory Information: Other information
- HazReg Data: Europe - EU
- GHS: Classification

Manufacturer information
Hewlett-Packard Company
3000 Hanover Street
Palo Alto, California 94304-1112 US
(Direct) +972 (9) 892-4628

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