1. Identification

Product identifier: CH832 Series

Other means of identification

Synonyms: HP Scitex TJ210 Yellow Ink

Recommended use: Inkjet printing

Recommended restrictions: None known.

Company identification:

HP Inc.
1501 Page Mill Road
Palo Alto, CA 94304-1112
United States
Telephone 650-857-5020

HP Inc. health effects line
(Toll-free within the US) 1-800-457-4209
(Direct) 1-760-710-0048

HP Inc. Customer Care Line
(Toll-free within the US) 1-800-474-6836
(Direct) 1-208-323-2551
Email: hpcustomer.inquiries@hp.com

2. Hazard(s) identification

Physical hazards
Flammable liquids Category 4

Health hazards
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A
Sensitization, skin Category 1
Reproductive toxicity (fertility, the unborn child) Category 1B
Specific target organ toxicity, repeated exposure Category 1 (liver, respiratory system)

Environmental hazards
Hazardous to the aquatic environment, long-term hazard Category 2

OSHA defined hazards
Not classified.

Label elements

Signal word: Danger

Hazard statement: Combustible liquid. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May damage fertility. May damage the unborn child. Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P270 - Do not eat, drink or smoke when using this product.
P264 - Wash hands thoroughly after handling.
P273 - Avoid release to the environment.
Response

P370 + P378 - In case of fire: Use sand, carbon dioxide (CO2) or dry chemical to extinguish.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical advice/attention.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
P308 + P313 - IF exposed or concerned: Get medical attention/advice.
P314 - Get medical attention/advice if you feel unwell.
P391 - Collect spillage.
P362 - Take off contaminated clothing and wash before reuse.

Storage

P403 + P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

Diphenyl (2,4,6-trimethylbenzoyl) phosphineoxide - In animal testing, risk of impaired fertility was shown only after repeated ingestion of very high doses of this substance. Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.

Supplemental information

None.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Defunctional acrylic monomer</td>
<td>Proprietary</td>
<td>&lt;25</td>
<td></td>
</tr>
<tr>
<td>Vinylcaprolactam</td>
<td>Proprietary</td>
<td>&lt;20</td>
<td></td>
</tr>
<tr>
<td>Acrylate ester #1</td>
<td>Proprietary</td>
<td>&lt;15</td>
<td></td>
</tr>
<tr>
<td>Acrylate ester #2</td>
<td>Proprietary</td>
<td>&lt;15</td>
<td></td>
</tr>
<tr>
<td>Acrylic acid ester</td>
<td>Proprietary</td>
<td>&lt;7.5</td>
<td></td>
</tr>
<tr>
<td>Propiophenone derivative</td>
<td>Proprietary</td>
<td>&lt;5</td>
<td></td>
</tr>
<tr>
<td>Acrylated oligoamine resin</td>
<td>Proprietary</td>
<td>&lt;2.5</td>
<td></td>
</tr>
<tr>
<td>Azo-nickel complex</td>
<td>Proprietary</td>
<td>&lt;2.5</td>
<td></td>
</tr>
<tr>
<td>Diphenyl (2,4,6-trimethylbenzoyl)</td>
<td>Proprietary</td>
<td>&lt;2.5</td>
<td></td>
</tr>
<tr>
<td>phosphine</td>
<td>Proprietary</td>
<td>&lt;2.5</td>
<td></td>
</tr>
<tr>
<td>Glycerol, propoxylated, esters with</td>
<td>Proprietary</td>
<td>&lt;1</td>
<td></td>
</tr>
<tr>
<td>acrylic acid</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. First-aid measures

Inhalation

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

Skin contact

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

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.

Ingestion

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed

Not available.

5. Fire-fighting measures

Suitable extinguishing media

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

Unsuitable extinguishing media

Water may be ineffective. Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Not applicable.
Special protective equipment and precautions for firefighters

Fire-fighting equipment/instructions

Avoid runoff into storm sewers and ditches which lead to waterways.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear appropriate personal protective equipment. Do not touch or walk through spilled material.

Methods and materials for containment and cleaning up

Not available.

Environmental precautions

Do not let product enter drains. Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.

7. Handling and storage

Precautions for safe handling

Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities

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>Azo-nickel complex (CAS Proprietary)</td>
<td>PEL</td>
<td>1 mg/m3</td>
<td>29 CFR 1910.1000</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 mg/m3</td>
<td>29 CFR 1910.1000</td>
</tr>
</tbody>
</table>

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines

Exposure limits have not been established for this product.

Appropriate engineering controls

Not available.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain and emergency showers are recommended.

Skin protection

Hand protection

Wear appropriate chemical resistant gloves. Recommended gloves: Nitrile 6 mil minimum thickness.

Other

Wear appropriate chemical resistant clothing.

Respiratory protection

Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.

Thermal hazards

Not available.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. Do not get this material in your eyes, on your skin, or on your clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Launder contaminated clothing before reuse. Keep away from food and drink.

9. Physical and chemical properties

Appearance

Physical state: Liquid.
Color: Yellow
Odor: Characteristic.
Odor threshold: Not available.
pH: Not available.
Melting point/freezing point: Not available.
Initial boiling point and boiling range: Not available.

Material name: CH832 Series

11538  Version #: 09  Revision date: 14-Aug-2016  Issue date: 29-Apr-2014
Flash point 230.0 °F (110.0 °C) Closed Cup
Evaporation rate Not available.
Flammability (solid, gas) Not available.
Upper/lower flammability or explosive limits
  Flammability limit - lower (%) Not available.
  Flammability limit - upper (%) Not available.
  Explosive limit - lower (%) Not available.
  Explosive limit - upper (%) Not available.
Vapor pressure Not available.
Solubility(ies)
  Solubility (water) Not available.
Partition coefficient (n-octanol/water) Not available.
Auto-ignition temperature Not available.
Decomposition temperature Not available.
Viscosity Not available.
Other information For other VOC regulatory data/information see Section 15.
VOC (Weight %) 3.7 g/L Method 24/ASTM D403-93

10. Stability and reactivity
Reactivity Not available.
Chemical stability Stable under normal storage conditions.
Possibility of hazardous reactions Hazardous polymerization can occur with decreased inhibitor content.
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.

11. Toxicological information
Symptoms related to the physical, chemical and toxicological characteristics Not available.
Information on toxicological effects
Acute toxicity Based on available data, the classification criteria are not met.
Skin corrosion/irritation Causes skin irritation.
Serious eye damage/eye irritation Causes serious eye irritation.
Respiratory or skin sensitization
  Respiratory sensitization Based on available data, the classification criteria are not met.
  Skin sensitization May cause sensitization by skin contact.
Germ cell mutagenicity Based on available data, the classification criteria are not met.
Carcinogenicity Based on available data, the classification criteria are not met.
Reproductive toxicity May damage fertility. May damage the unborn child.
Specific target organ toxicity
  - single exposure Based on available data, the classification criteria are not met.
Specific target organ toxicity
  - repeated exposure Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure.
Aspiration hazard Based on available data, the classification criteria are not met.
Further information Complete toxicity data are not available for this specific formulation
Components | Species | Test Results
---|---|---
Acrylate ester #2 (CAS Proprietary) |  |  
**Acute**
*Dermal*
LD50 | Rabbit | 3540 mg/kg
**Oral**
LD50 | Rat | 12 g/kg

**12. Ecological information**

**Aquatic toxicity**  Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. This product has not been tested for ecological effects.

**Persistence and degradability**  Not available.

**Bioaccumulative potential**  Not available.

**Mobility in soil**  Not available.

**Other adverse effects**  Not available.

**13. Disposal considerations**

**Disposal instructions**  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.

**14. Transport information**

**DOT**

UN number | UN3082
---|---
**UN proper shipping name** | Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative)
**Transport hazard class(es)** |  
Class | 9
Subsidiary risk | -
**Packaging group** | III
**Environmental hazards** |  
Marine pollutant | Yes
**Special precautions for user** | Not available.

**DOT supplemental information**  DOT Classification only applies to shipments within the US and Puerto Rico.

**IATA**

UN number | UN3082
---|---
**UN proper shipping name** | Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative)
**Transport hazard class(es)** |  
Class | 9
Subsidiary risk | -
**Packaging group** | III
**Environmental hazards** | Yes
**Special precautions for user** | Not available.

**IATA supplemental information**  When shipping ≤ 5L inner packaging, Special Provision A197 may apply.

**IMDG**

UN number | UN3082
---|---
**UN proper shipping name** | Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative), MARINE POLLUTANT
**Transport hazard class(es)** |  
Class | 9
Subsidiary risk | -
**Packaging group** | III
**Environmental hazards** |  
Marine pollutant | Yes
EmS
Special precautions for user
F-A, S-F
Not available.

IMDG supplemental information
When shipping ≤ 5L containers, IMDG 2.10.2.7 may apply.

ADR
Proper shipping name
Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative)
Hazard class
9
UN number
3082
Packing group
III
Marine pollutant
Yes

15. Regulatory information

US federal regulations
US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.

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

CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.
Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

SARA 302 Extremely hazardous substance
- Not listed.

SARA 311/312 Hazardous chemical
- No

Safe Drinking Water Act (SDWA)
- Not regulated.

US state regulations
- US. Massachusetts RTK - Substance List
  - Not regulated.
- US. New Jersey Worker and Community Right-to-Know Act
  - Not listed.
- US. Pennsylvania Worker and Community Right-to-Know Law
  - Not listed.
- US. Rhode Island RTK
  - Not regulated.
- US. California Proposition 65
  - Not Listed.

VOC content (less water, less exempt compounds) = 3.7 g/L (U.S. requirement, not for emissions)

All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

16. Other information, including date of preparation or last revision

Issue date: 29-Apr-2014
Revision date: 14-Aug-2016
Version #: 09

Disclaimer
This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP 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.

Revision Information
Composition / Information on Ingredients
Exposure controls/personal protection: <INDENT>Hand protection

Manufacturer information
HP Inc.
1501 Page Mill Road
Palo Alto, CA 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