SAFETY DATA SHEET

1. Identification

Product identifier: CN983 Series
Other means of identification:
- Synonyms: HP Scitex TJ100 Supreme Black Ink

Recommended use: Inkjet printing.
Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information
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: Acute toxicity, dermal Category 4
- Serious eye damage/eye irritation Category 1
Environmental hazards: Not classified.
OSHA defined hazards: Not classified.

Label elements
Signal word: Danger
Hazard statement: Combustible liquid. Harmful in contact with skin. Harmful if inhaled. Causes serious eye damage.
Precautionary statement
- Prevention: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.
- Response: In case of fire: Use sand, carbon dioxide (CO2) or dry chemical to extinguish. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Storage: Store in a well-ventilated place. Keep cool.
- Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC) 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.

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>2-Butoxyethyl acetate</td>
<td></td>
<td>112-07-2</td>
<td>&lt;80</td>
</tr>
<tr>
<td>2-methoxy-1-methylethylacetate</td>
<td></td>
<td>108-65-6</td>
<td>&lt;15</td>
</tr>
<tr>
<td>Carbon black</td>
<td></td>
<td>1333-86-4</td>
<td>&lt;7.5</td>
</tr>
<tr>
<td>Cyclohexanone</td>
<td></td>
<td>108-94-1</td>
<td>&lt;7.5</td>
</tr>
<tr>
<td>Vinyl chloride-vinyl acetate</td>
<td>Proprietary*</td>
<td></td>
<td>&lt;5</td>
</tr>
<tr>
<td>Ethyl Benzene</td>
<td></td>
<td>100-41-4</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

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

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, if needed.

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.

Ingestion Rinse mouth out with water. If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Most important symptoms/effects, acute and delayed Not available.

5. Fire-fighting measures

Suitable extinguishing media Suitable extinguishing media: sand, carbon dioxide (CO2), and dry chemical.

Unsuitable extinguishing media Not available.

Specific hazards arising from the chemical None known.

Special protective equipment and precautions for firefighters Firefighters should wear full protective clothing including self contained breathing apparatus. Avoid runoff into storm sewers and ditches which lead to waterways.

Fire fighting equipment/instructions Move containers from fire area if you can do it without risk.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Avoid contact with skin. Avoid inhalation of vapors or mists. Do not touch or walk through spilled material. Ensure adequate ventilation. Remove all sources of ignition. Use personal protective equipment to minimize exposure to skin and eye. In the case of vapor formation use a respirator with an approved filter.

Methods and materials for containment and cleaning up Not available.

Environmental precautions Do not flush into surface water or sanitary sewer system.

7. Handling and storage

Precautions for safe handling Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Wear personal protective equipment.
# 8. Exposure controls/personal protection

## Occupational exposure limits

### 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>Carbon black (CAS 1333-86-4)</td>
<td>PEL</td>
<td>3.5 mg/m³</td>
</tr>
<tr>
<td>Cyclohexanone (CAS 108-94-1)</td>
<td>PEL</td>
<td>200 mg/m³</td>
</tr>
<tr>
<td>Ethyl Benzene (CAS 100-41-4)</td>
<td>PEL</td>
<td>435 mg/m³</td>
</tr>
</tbody>
</table>

### US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethyl acetate (CAS 112-07-2)</td>
<td>TWA</td>
<td>20 ppm</td>
<td></td>
</tr>
<tr>
<td>Carbon black (CAS 1333-86-4)</td>
<td>TWA</td>
<td>3 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td>Cyclohexanone (CAS 108-94-1)</td>
<td>STEL</td>
<td>50 ppm</td>
<td></td>
</tr>
<tr>
<td>Ethyl Benzene (CAS 100-41-4)</td>
<td>TWA</td>
<td>20 ppm</td>
<td></td>
</tr>
<tr>
<td>Ethyl Benzene (CAS 100-41-4)</td>
<td>TWA</td>
<td>20 ppm</td>
<td></td>
</tr>
</tbody>
</table>

### US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethyl acetate (CAS 112-07-2)</td>
<td>TWA</td>
<td>33 mg/m³</td>
</tr>
<tr>
<td>Carbon black (CAS 1333-86-4)</td>
<td>TWA</td>
<td>5 ppm</td>
</tr>
<tr>
<td>Cyclohexanone (CAS 108-94-1)</td>
<td>TWA</td>
<td>0.1 mg/m³</td>
</tr>
<tr>
<td>Ethyl Benzene (CAS 100-41-4)</td>
<td>STEL</td>
<td>25 ppm</td>
</tr>
<tr>
<td>Ethyl Benzene (CAS 100-41-4)</td>
<td>TWA</td>
<td>545 mg/m³</td>
</tr>
<tr>
<td>Ethyl Benzene (CAS 100-41-4)</td>
<td>TWA</td>
<td>125 ppm</td>
</tr>
<tr>
<td>Ethyl Benzene (CAS 100-41-4)</td>
<td>TWA</td>
<td>435 mg/m³</td>
</tr>
<tr>
<td>Ethyl Benzene (CAS 100-41-4)</td>
<td>TWA</td>
<td>100 ppm</td>
</tr>
</tbody>
</table>

### US. Workplace Environmental Exposure Level (WEEL) Guides

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-methoxy-1-methylethylacetate (CAS 108-65-6)</td>
<td>TWA</td>
<td>50 ppm</td>
</tr>
</tbody>
</table>

## Biological limit values

### ACGIH Biological Exposure Indices

<table>
<thead>
<tr>
<th>Components</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyclohexanone (CAS 108-94-1)</td>
<td>1,2-Cyclohexanediol, with hydrolysis Cyclohexanol, with hydrolysis</td>
<td>Urine</td>
<td>*</td>
</tr>
<tr>
<td>Ethyl Benzene (CAS 100-41-4)</td>
<td>Sum of mandelic acid and phenylglyoxylic acid</td>
<td>Creatinine in urine</td>
<td>*</td>
</tr>
</tbody>
</table>

* - For sampling details, please see the source document.
Exposure guidelines

US. ACGIH Threshold Limit Values
Cyclohexanone (CAS 108-94-1) Can be absorbed through the skin.

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants
CYCLOHEXANONE (CAS 108-94-1) Can be absorbed through the skin.
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE (CAS 108-65-6) Can be absorbed through the skin.

US. Minnesota Hazardous Substances List (Minn. Rules 5206.0400).
Cyclohexanone (CAS 108-94-1) Skin designation applies.

US. NIOSH: Pocket Guide to Chemical Hazards
Cyclohexanone (CAS 108-94-1) Can be absorbed through the skin.

US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A
Cyclohexanone (CAS 108-94-1) Can be absorbed through the skin.
Not available.

Appropriate engineering controls

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
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
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 and chemical properties

Appearance
Physical state
Not available.
Form Liquid.
Color Black.

Odor
Solvent.

Odor threshold
Not available.

pH
Not available.

Melting point/freezing point
Not available.

Initial boiling point and boiling range
Not available.

Flash point
>= 149.0 °F (>= 65.0 °C) Closed Cup EPA Method 1020

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.

Vapor density
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 < 893 g/L Calculated

10. Stability and reactivity
Reactivity Not available.
Chemical stability Stable at normal conditions.
Possibility of hazardous reactions None known.
Conditions to avoid Heat, flames and sparks.
Incompatible materials Not available.
Hazardous decomposition products Not available.

11. Toxicological information
Information on likely routes of exposure
Inhalation Harmful if inhaled.
Skin contact Harmful in contact with skin.
Eye contact Causes serious eye damage.
Ingestion Ingestion is not a likely route of exposure.

Symptoms related to the physical, chemical and toxicological characteristics Not available.

Information on toxicological effects
Acute toxicity Harmful in contact with skin. Harmful if inhaled.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (CAS 1333-86-4)</td>
<td>Acute</td>
<td>Rat</td>
</tr>
<tr>
<td>Oral</td>
<td>LD50</td>
<td></td>
</tr>
<tr>
<td>Ethyl Benzene (CAS 100-41-4)</td>
<td>Acute</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td>17.8 ml/kg</td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td>Mouse</td>
<td>LC50</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td>LD50</td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Skin corrosion/irritation Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation Causes serious eye damage.
Respiratory or skin sensitization Based on available data, the classification criteria are not met.
Based on available data, the classification criteria are not met.

**Skin sensitization**

**Germ cell mutagenicity**

**Carcinogenicity**

Based on available data, the classification criteria are not met.

IARC Monographs. Overall Evaluation of Carcinogenicity

- Carbon black (CAS 1333-86-4) 2B Possibly carcinogenic to humans.
- Cyclohexanone (CAS 108-94-1) 3 Not classifiable as to carcinogenicity to humans.
- Vinyl chloride-vinyl acetate copolymer (CAS Proprietary) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

**Reproductive toxicity**

Based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

**Further information**

Complete toxicity data are not available for this specific formulation.

---

### 12. Ecological information

**Ecotoxicity**

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Benzene (CAS 100-41-4)</td>
<td>Aquatic</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Crustacea</td>
<td>EC50</td>
</tr>
<tr>
<td></td>
<td>Fish</td>
<td>LC50</td>
</tr>
</tbody>
</table>

Persistence and degradation

Not available.

Bioaccumulative potential

Not available.

Partition coefficient n-octanol / water (log Kow)

- Cyclohexanone 0.81
- Ethyl Benzene 3.15

Mobility in soil

Not available.

Other adverse effects

Not available.

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### 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.

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### 14. Transport information

**DOT**

- UN number: NA1993
- UN proper shipping name: Combustible liquid n.o.s. (2-methoxy-1-methylethyl acetate, cyclohexanone) - Not regulated in quantities less than 119 gallons
- Transport hazard class(es)
  - Class: Combustible
  - Subsidiary risk:
  - Packing group: III
- Special precautions for user: Not available.

**DOT Supplemental Information**

- DOT Classification only applies to shipments within the US and Puerto Rico.

**IATA**

- Not regulated as dangerous goods.

**IMDG**

- Not regulated as dangerous goods.
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)
- Cyclohexanone (CAS 108-94-1) Listed.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous chemical
No

SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Benzene</td>
<td>100-41-4</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Antimony</td>
<td>7440-36-0</td>
<td>&gt;= 0.00048</td>
</tr>
<tr>
<td>Arsenic</td>
<td>7440-38-2</td>
<td>&lt;= 0.0001</td>
</tr>
<tr>
<td>Cadmium</td>
<td>7440-43-9</td>
<td>&lt;= 0.00001</td>
</tr>
<tr>
<td>Cobalt</td>
<td>7440-48-4</td>
<td>&lt;= 0.00002</td>
</tr>
<tr>
<td>Lead</td>
<td>7439-92-1</td>
<td>&lt;= 0.00005</td>
</tr>
<tr>
<td>Nickel</td>
<td>7440-02-0</td>
<td>&lt;= 0.00002</td>
</tr>
<tr>
<td>Selenium</td>
<td>7782-49-2</td>
<td>&gt;= 0.00029</td>
</tr>
<tr>
<td>Thallium</td>
<td>7440-28-0</td>
<td>&lt;= 0.0001</td>
</tr>
</tbody>
</table>

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace
Cyclohexanone (CAS 108-94-1) Low priority

US state regulations

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance
CARBON BLACK (AIRBORNE, UNBOUND PARTICLES OF RESPIRABLE SIZE (<= 10 MICROMETERS)) (CAS 1333-86-4) Listed: February 21, 2003

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))
- Carbon black (CAS 1333-86-4)

Other information
VOC content (less water, less exempt compounds) = < 893 g/L (U.S. requirement, not for emissions) VOC data based on formulation (Organic compounds minus solids)
Regulatory information

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, South Korea, New Zealand, and China.

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

Issue date 30-Jan-2015
Revision date 21-Feb-2018
Version # 07
Other information This SDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).

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 Hazard(s) identification: Hazard statement
Hazard(s) identification: Prevention
Hazard(s) identification: Response
Hazard(s) identification: Hazard(s) not otherwise classified (HNOC)
3. Composition / Information on Ingredients: Disclosure Overrides
Toxicological information: Acute toxicity
Toxicological information: Carcinogenicity
Toxicological information: Eye contact
Toxicological information: Ingestion
Toxicological information: Inhalation
Toxicological information: Skin contact
Regulatory information: Regulatory information
GHS: Classification

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