



# SAFETY DATA SHEET

## 1. Identification

|  |   |
|--|---|
| <b>Important information</b>                                     | *** This Safety Data Sheet is only authorised for use by HP for HP Original products. Any unauthorised use of this Safety Data Sheet is strictly prohibited and may result in legal action being taken by HP. *** |
| <b>Name of the substance or mixture (trade name)</b>             | CN988 Series  |
| <b>Synonyms</b>  | HP Scitex TJ100 Flash Yellow Ink  |
| <b>Issue date</b>  | 08-Jul-2016   |
| <b>Revision date</b>   | 06-Apr-2021   |
| <b>Version #</b>   | 06  |
| <b>Major recommended uses for the substance or mixture</b>       | Inkjet printing.  |
| <b>Specific restrictions for use of the substance or mixture</b> | Not available.  |
| <b>Company identification</b>                                    | HP-PPS Ecuador Cia. Ltda,<br>Avenida 12 de Octubre N24-739 y Avenida Cristóbal Colón, Edificio Boreal, Torre A, Piso 11, Oficinas 1101 y 1102,<br>Quito, Pichincha, 170517, Ecuador                               |
| <b>HP Inc. health effect line (Toll-free within US)</b>          | 1-800-457-4209  |
| <b>(Direct)</b>  | 1-760-710-0048  |
| <b>HP Inc. Customer Care Line (Toll-free within the US)</b>      | 1-800-474-6836  |
| <b>(Direct)</b>  | 1-208-323-2551  |
| <b>Email:</b>  | hpcustomer.inquiries@hp.com   |

## 2. Hazards identification

### Classification of the substance or mixture

|                              |                                   |            |
|------------------------------|-----------------------------------|------------|
| <b>Physical hazards</b>      | Flammable liquids                 | Category 4 |
| <b>Health hazards</b>        | Acute toxicity, oral              | Category 5 |
|                              | Acute toxicity, dermal            | Category 4 |
|                              | Acute toxicity, inhalation        | Category 4 |
|                              | Serious eye damage/eye irritation | Category 1 |
| <b>Environmental hazards</b> | Not classified.                   |            |

### GHS labeling elements, including precautionary statements

#### Hazard symbol(s)



#### Signal word

Danger

#### Hazard statement(s)

Combustible liquid. Harmful if inhaled. Causes serious eye damage. Harmful in contact with skin. May be harmful if swallowed.

#### Precautionary statement(s)

##### 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 (CO<sub>2</sub>) or dry chemical to extinguish. IF ON SKIN: Wash with plenty of soap and water. 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/doctor. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center/doctor if you feel unwell. Take off contaminated clothing and wash it before reuse.

|  |   |
|--|---|
| <b>Storage</b>   | Store in a well-ventilated place. Keep cool.  |
| <b>Disposal</b>  | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Other hazards which do not result in classification</b> | Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.   |
| <b>Supplemental information</b>                            | None.   |

### 3. Composition/information on ingredients

|   |                   |   |
|---|-------------------|---|
| <b>Substance or mixture</b>                   | Mixture           |   |
| <b>Common chemical name or technical name</b> | <b>CAS number</b> | <b>Concentration or concentration range</b> |
| 2-Butoxyethyl acetate                         | 112-07-2          | <80   |
| 2-methoxy-1-methylethylacetate                | Proprietary       | <20   |
| Cyclohexanone                                 | 108-94-1          | <5  |
| Yellow pigment                                | Proprietary       | <1  |

### 4. First-aid measures

#### First-aid measures

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Move person to fresh air immediately.<br>If symptoms persist, get immediate medical attention.  |
| <b>Skin contact</b> | In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Wash clothing separately before reuse.<br>Get medical attention, if needed.                                      |
| <b>Eye contact</b>  | In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.<br>Get medical attention immediately.  |
| <b>Ingestion</b>    | 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.<br>Get medical attention immediately. |

**Most important symptoms/effects, acute and delayed**

Not available.

**Notes to physician**

Not available.

### 5. Fire-fighting measures

#### Means of fire extinguishing

|                                       |  |
|---------------------------------------|--|
| <b>Suitable extinguishing media</b>   | Suitable extinguishing media: sand, carbon dioxide (CO <sub>2</sub> ), and dry chemical. |
| <b>Unsuitable extinguishing media</b> | Not available.   |

**Specific hazards arising from the chemical**

Not available.

**Special fire fighting procedures**

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

**Protective measures taken by firefighting crews**

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

### 6. Control measures for spills and leaks

#### Personal precautions, protective equipment and emergency procedures

|  |  |
|--|--|
| <b>To be taken by those who are not involved in rendering emergency services</b> | Avoid contact with skin. Avoid inhalation of vapors or mists.<br>Do not touch or walk through spilled material. Ensure adequate ventilation. Remove all sources of ignition.<br>Use personal protective equipment to minimize exposure to skin and eye. In the case of vapor formation use a respirator with an approved filter. |
| <b>To be taken by those who are involved in rendering emergency services</b>     | Not available.   |

**Environmental precautions**

Do not flush into surface water or sanitary sewer system.

**Methods and materials for containment and cleaning up**

Not available.

**Other issues relating to spills and releases**

Dispose of in compliance with federal, state, and local regulations.

## 7. Handling and storage

|   |   |
|---|---|
| <b>Precautions for safe handling</b>                                | Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product.<br>Use with adequate ventilation.<br>Wear personal protective equipment. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame.   |

## 8. Exposure controls/personal protection

### Control parameters

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

| Components                           | Type | Value  |
|--------------------------------------|------|--------|
| 2-Butoxyethyl acetate (CAS 112-07-2) | TWA  | 20 ppm |
| Cyclohexanone (CAS 108-94-1)         | STEL | 50 ppm |
|                                      | TWA  | 20 ppm |

#### Ecuador. OELs (INEN 2266:2013, 2013-01 2nd rev.: Transport, storage and handling of hazardous materials. Requirements. 1st ed., 1/29, 2013)

| Components                           | Type | Value  |
|--------------------------------------|------|--------|
| 2-Butoxyethyl acetate (CAS 112-07-2) | TWA  | 20 ppm |
| Cyclohexanone (CAS 108-94-1)         | STEL | 50 ppm |
|                                      | TWA  | 20 ppm |

### Biological limit values

#### ACGIH Biological Exposure Indices

| Components                   | Value   | Determinant                          | Specimen | Sampling Time |
|------------------------------|---------|--------------------------------------|----------|---------------|
| Cyclohexanone (CAS 108-94-1) | 80 mg/l | 1,2-Cyclohexanediol, with hydrolysis | Urine    | *             |
|                              | 8 mg/l  | Cyclohexanol, with hydrolysis        | Urine    | *             |

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

### Exposure guidelines

#### Ecuador OELs: Skin designation

Cyclohexanone (CAS 108-94-1) Can be absorbed through the skin.

#### US ACGIH Threshold Limit Values: Skin designation

Cyclohexanone (CAS 108-94-1) Can be absorbed through the skin.

**Appropriate engineering controls** Not available.

### Personal protective measures

**Eyes and 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.

**Hygiene measures** 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

|                       |                |
|-----------------------|----------------|
| <b>Physical state</b> | Not available. |
| <b>Form</b>           | Liquid.        |
| <b>Color</b>          | Yellow         |

|  |  |
|--|--|
| <b>Odor</b>  | Solvent.   |
| <b>Odor threshold</b>                                      | Not available.   |
| <b>pH</b>  | 5.8 - 6.2 Metler Toledo pH Meter                                 |
| <b>Melting point/freezing point</b>                        | Not available.   |
| <b>Initial boiling point and boiling temperature range</b> | Not available.   |
| <b>Flash point</b>   | >= 149.0 °F (>= 65.0 °C) Closed Cup EPA Method 1020              |
| <b>Evaporation rate</b>                                    | Not available.   |
| <b>Flammability (solid, gas)</b>                           | Not available.   |
| <b>Upper/lower flammability or explosive limits</b>        |  |
| <b>Flammability limit - lower (%)</b>                      | Not available.   |
| <b>Flammability limit - upper (%)</b>                      | Not available.   |
| <b>Explosive limit - lower (%)</b>                         | Not available.   |
| <b>Explosive limit - upper (%)</b>                         | Not available.   |
| <b>Vapor pressure</b>                                      | Not available.   |
| <b>Solubility(ies)</b>                                     | Not available.   |
| <b>Partition coefficient (n-octanol/water)</b>             | Not available.   |
| <b>Auto-ignition temperature</b>                           | Not available.   |
| <b>Decomposition temperature</b>                           | Not available.   |
| <b>Viscosity</b>   | 13 - 14 cP Brookfield Viscometer T 22C Spindle #18 (S18) RPM 100 |
| <b>Other physical and chemical parameters</b>              |  |
| <b>VOC</b>   | < 878 g/L Calculated   |

## 10. Stability and reactivity

|   |                              |
|---|------------------------------|
| <b>Reactivity</b>                         | Not available.               |
| <b>Chemical stability</b>                 | Stable at normal conditions. |
| <b>Possibility of hazardous reactions</b> | None known.                  |
| <b>Conditions to avoid</b>                | Heat, flames and sparks.     |
| <b>Incompatible materials</b>             | Not available.               |
| <b>Hazardous decomposition products</b>   | Not available.               |

## 11. Toxicological information

|  |  |  |
|--|--|--|
| <b>Acute toxicity</b>  | May be harmful if swallowed. Harmful if inhaled. Harmful in contact with skin. |  |
| <b>Skin corrosion/irritation</b>   | Based on available data, the classification criteria are not met.              |  |
| <b>Serious eye damage/eye irritation</b>   | Causes serious eye damage.   |  |
| <b>Respiratory or skin sensitization</b>   |  |  |
| <b>Skin sensitization</b>  | Based on available data, the classification criteria are not met.              |  |
| <b>Respiratory sensitization</b>   | Based on available data, the classification criteria are not met.              |  |
| <b>Germ cell mutagenicity</b>  | Based on available data, the classification criteria are not met.              |  |
| <b>Carcinogenicity</b>   | Based on available data, the classification criteria are not met.              |  |
| <b>ACGIH Carcinogens</b>   |  |  |
| Cyclohexanone (CAS 108-94-1)   | A3 Confirmed animal carcinogen with unknown relevance to humans.               |  |
| <b>Ecuador. OELs (INEN 2266:2013, 2013-01 2nd rev.: Transport, storage and handling of hazardous materials. Requirements. 1st ed., 1/29, 2013)</b> |  |  |
| 2-Butoxyethyl acetate (CAS 112-07-2)   | Group A3 Confirmed animal carcinogen with unknown relevance to humans.         |  |
| Cyclohexanone (CAS 108-94-1)   | Group A3 Confirmed animal carcinogen with unknown relevance to humans.         |  |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>  |  |  |
| Cyclohexanone (CAS 108-94-1)   | 3 Not classifiable as to carcinogenicity to humans.                            |  |
| <b>Toxic to reproduction</b>   | Based on available data, the classification criteria are not met.              |  |

|   |   |
|---|---|
| <b>Specific target organ toxicity - single exposure</b>   | Based on available data, the classification criteria are not met.       |
| <b>Specific target organ toxicity - repeated exposure</b> | Based on available data, the classification criteria are not met.       |
| <b>Aspiration hazard</b>                                  | Based on available data, the classification criteria are not met.       |
| <b>Other information</b>                                  | Complete toxicity data are not available for this specific formulation. |

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## 12. Ecological information

|  |  |
|--|--|
| <b>Ecotoxicity</b>                                       | No ecotoxicity data noted for the ingredient(s). |
| <b>Persistence and degradability</b>                     | Not available.                                   |
| <b>Bioaccumulative potential</b>                         |  |
| <b>Partition coefficient n-octanol / water (log Kow)</b> |  |
| Cyclohexanone  | 0.81   |
| <b>Bioconcentration factor (BCF)</b>                     | Not available.                                   |
| <b>Mobility in soil</b>                                  | Not available.                                   |
| <b>Other adverse effects</b>                             | Not available.                                   |

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## 13. Considerations on final disposal

### Recommended methods for final destination

|                                   |  |
|-----------------------------------|--|
| <b>Residual waste</b>             | Not available.   |
| <b>Contaminated packaging</b>     | Not available.   |
| <b>Local disposal regulations</b> | Do not dispose of together with general office waste.<br>Do not allow this material to drain into sewers/water supplies.<br>Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.<br>Ensure collection and disposal with an appropriately licensed waste contractor. |

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## 14. Transport information

### International regulations

|                                     |  |
|-------------------------------------|--|
| <b>DOT</b>                          |  |
| <b>UN number</b>                    | NA1993   |
| <b>UN proper shipping name</b>      | Combustible liquid n.o.s. (2-methoxy-1-methylethyl acetate) -Not regulated in quantities less than 119 gallons |
| <b>Transport hazard class(es)</b>   |  |
| <b>Class</b>                        | Combustible  |
| <b>Subsidiary risk</b>              | -  |
| <b>Packing group</b>                | III  |
| <b>Special precautions for user</b> | Not available.   |
| <b>DOT Supplemental Information</b> | DOT Classification only applies to shipments within the US and Puerto Rico.                                    |
| <b>IATA</b>                         |  |
| <b>UN number</b>                    | Not available.   |
| <b>UN proper shipping name</b>      | Not Regulated  |
| <b>Transport hazard class(es)</b>   |  |
| <b>Class</b>                        | Not available.   |
| <b>Subsidiary risk</b>              | -  |
| <b>Packing group</b>                | Not available.   |
| <b>Environmental hazards</b>        | No   |
| <b>Special precautions for user</b> | Not available.   |
| <b>IMDG</b>                         |  |
| <b>UN number</b>                    | Not available.   |
| <b>UN proper shipping name</b>      | Not Regulated  |
| <b>Transport hazard class(es)</b>   |  |
| <b>Class</b>                        | Not available.   |
| <b>Subsidiary risk</b>              | -  |
| <b>Packing group</b>                | Not available.   |
| <b>Transport hazard class(es)</b>   |  |
| <b>Marine pollutant</b>             | No   |
| <b>EmS</b>                          | Not available.   |
| <b>Special precautions for user</b> | Not available.   |
| <b>ADR</b>                          |  |
| <b>UN number</b>                    | Not available.   |

|                                     |                |
|-------------------------------------|----------------|
| <b>UN proper shipping name</b>      | Not Regulated  |
| <b>Transport hazard class(es)</b>   |                |
| <b>Class</b>                        | Not available. |
| <b>Subsidiary risk</b>              | -              |
| <b>Hazard No. (ADR)</b>             | Not available. |
| <b>Tunnel restriction code</b>      | Not available. |
| <b>Packing group</b>                | Not available. |
| <b>Environmental hazards</b>        | No             |
| <b>Special precautions for user</b> | Not available. |

#### ADR

##### Basic shipping requirements:

|                             |               |
|-----------------------------|---------------|
| <b>Proper shipping name</b> | Not Regulated |
| <b>Marine pollutant</b>     | No            |

**Further information** Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not applicable.

## 15. Regulatory information

### Federal regulations

#### Ecuador. Hazardous, Restricted & Prohibited Chemicals: Table 1 listed substance

Cyclohexanone (CAS 108-94-1)

### International regulations

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.

#### Montreal Protocol

Not applicable.

#### Stockholm Convention

Not applicable.

#### Rotterdam Convention

Not applicable.

#### Kyoto protocol

Not applicable.

#### Basel Convention

Not applicable.

## 16. Other information

**Significant information, yet not specifically related to the previous sections** Not available.

**Revision information** 3. Composition / Information on Ingredients: Disclosure Overrides

**Issue date** 08-Jul-2016

**Revision date** 06-Apr-2021

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## Explanation of abbreviations

|               |   |
|---------------|---|
| <b>ACGIH</b>  | American Conference of Governmental Industrial Hygienists           |
| <b>CAS</b>    | Chemical Abstracts Service  |
| <b>CERCLA</b> | Comprehensive Environmental Response Compensation and Liability Act |
| <b>CFR</b>    | Code of Federal Regulations   |
| <b>COC</b>    | Cleveland Open Cup  |
| <b>DOT</b>    | Department of Transportation  |
| <b>EPCRA</b>  | Emergency Planning and Community Right-to-Know Act (aka SARA)       |
| <b>IARC</b>   | International Agency for Research on Cancer                         |
| <b>NIOSH</b>  | National Institute for Occupational Safety and Health               |
| <b>NTP</b>    | National Toxicology Program   |
| <b>OSHA</b>   | Occupational Safety and Health Administration                       |
| <b>PEL</b>    | Permissible Exposure Limit  |
| <b>RCRA</b>   | Resource Conservation and Recovery Act                              |
| <b>REC</b>    | Recommended   |
| <b>REL</b>    | Recommended Exposure Limit  |
| <b>SARA</b>   | Superfund Amendments and Reauthorization Act of 1986                |
| <b>STEL</b>   | Short-Term Exposure Limit   |
| <b>TCLP</b>   | Toxicity Characteristics Leaching Procedure                         |
| <b>TLV</b>    | Threshold Limit Value   |
| <b>TSCA</b>   | Toxic Substances Control Act  |
| <b>VOC</b>    | Volatile Organic Compounds  |