



# SAFETY DATA SHEET

## Section 1: Identification of the chemical product and of the supplier

<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>Identification of the chemical product</b>	CN987 Series
<b>Recommended use of the chemical and restrictions on use</b>	
<b>Recommended use</b>	Inkjet printing.
<b>Recommended restrictions</b>	None known.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
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## Section 2: Hazards identification

### Classification according to GHS

<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.	

### Label elements



<b>Signal word</b>	Danger
<b>Hazard statement</b>	Combustible liquid. Harmful if inhaled. Causes serious eye damage. Harmful in contact with skin. May be harmful if swallowed.
<b>Precautionary statement</b>	
<b>Prevention</b>	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.
<b>Response</b>	In case of fire: Use sand, carbon dioxide (CO2) 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.

**Safety signs according to NCh1411/4**



**Other hazards** Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.  
**Supplemental information** None.

**Section 3: Composition/information on ingredients**

**Mixture**

**Hazardous components**

Systematic chemical name	Common or generic name	Concentration range	CAS number
2-Butoxyethyl acetate		<80	112-07-2
2-methoxy-1-methylethylacetate		<20	Proprietary
Cyclohexanone		<5	108-94-1
Butyl Methacrylate		<0.1	97-88-1

**Non-hazardous components**

Systematic chemical name	Common or generic name	Concentration range	CAS number
Vinyl chloride-vinyl acetate copolymer		<7.5	Proprietary
Magenta pigment		<2.5	Proprietary

**Section 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.

**Expected acute effects** Not available.

**Expected delayed effects** Not available.

**Most important symptoms/effects** Not available.

**Special notes for treating physician** Not available.

**Section 5: Fire-fighting measures**

**Extinguishing media** Suitable extinguishing media: sand, carbon dioxide (CO<sub>2</sub>), and dry chemical.

**Inappropriate extinguishing media** Not available.

**Products formed during combustion and thermal degradation** Not available.

**Specific associated hazards** Not applicable.

**Specific extinguishing methods** Not available.

**Precautions for emergency personnel and/or firefighters** Move containers from fire area if you can do it without risk.

**Section 6: Accidental release measures**

**Personal precautions** 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.

<b>Protective equipment</b>	Not available.
<b>Emergency procedures</b>	Dispose of in compliance with federal, state, and local regulations.
<b>Environmental precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods and material for containment, confinement, and/or abatement</b>	Not available.
<b>Methods and materials for clean-up</b>	
<b>Recovery</b>	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
<b>Neutralization</b>	Not available.
<b>Final disposal</b>	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.
<b>Additional measures for preventing disasters</b>	Not available.

## Section 7: Handling and storage

### Handling

<b>Precautions for safe handling</b>	Use this product with adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product.
<b>Operational and technical measures</b>	Wear personal protective equipment.
<b>Other precautions</b>	Not available.
<b>Prevention of contact</b>	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.

### Storage

<b>Conditions for safe storage</b>	Not available.
<b>Technical measures</b>	Keep away from heat, sparks and open flame. Keep containers tightly closed in a dry, cool and well-ventilated place.
<b>Incompatible substances and mixtures</b>	Not available.
<b>Materials for containers and/or packaging</b>	Not available.

## Section 8: Exposure controls/personal protection

### Maximum permissible concentration

**Chile. OELs. Decree No. 594, arts. 61 & 66: Regulating Basic Health and Environmental Conditions in the Workplace and Setting Permissible Levels of Exposure to Chemical and Physical Agents**

Components	Type	Value
Cyclohexanone (CAS 108-94-1)	TWA	87.5 mg/m <sup>3</sup>
		22 ppm

### 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

## 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

### OELs. Decree No. 594, arts. 61 & 66: Regulating Basic Health and Environmental Conditions in the Workplace and Setting Permissible Levels of Exposure to Chemical and Physical Agents

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.

## Individual protection measures, such as personal protective equipment

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

**Hand protection** Recommended gloves: Nitrile 6 mil minimum thickness.

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

**Skin and body protection** Wear appropriate chemical resistant clothing.

**Engineering measures** 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.

## Section 9: Physical and chemical properties

### Appearance

**Physical state** Not available.

**Form** Liquid.

**Color** Magenta

**Odor** Solvent.

**pH** 5.8 - 6.2 Metler Toledo pH Meter

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** Not available.

**Flash point**  $\geq 149.0$  °F ( $\geq 65.0$  °C) Closed Cup EPA Method 1020

**Explosivity limits** Not available.

**Vapor pressure** Not available.

**Density** 1.00 g/cm<sup>3</sup>

### Solubility(ies)

**Solubility (water)** Not available.

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** Not available.

**Decomposition temperature** Not available.

**Odor threshold** Not available.

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not available.

**Viscosity** 14 - 15 cP Brookfield Viscometer T 22C Spindle #18 (S18) RPM 100

## Section 10: Stability and reactivity

**Chemical stability** Stable at normal conditions.

**Possibility of hazardous reactions** None known.

<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	Not available.
<b>Hazardous decomposition products</b>	Not available.

## Section 11: Toxicological information

### Information on toxicological effects

**Acute toxicity** May be harmful if swallowed. Harmful if inhaled. Harmful in contact with skin.

Components	Species	Test Results
Cyclohexanone (CAS 108-94-1)		
<b>Acute</b>		
<b>Inhalation</b>		
<i>Vapor</i>		
LC50	Rat	> 6.2 mg/l, 4 Hours
Magenta pigment		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	>= 2000 mg/kg

**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

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

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

**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** 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.

**Related symptoms** Not available.

## Section 12: Ecological information

**Ecotoxicity** No ecotoxicity data noted for the ingredient(s).

**Persistence and degradability** Not available.

**Bioaccumulative potential** Not available.

**Mobility in soil** Not available.

## Section 13: Disposal considerations

**Remains/residues** Not available.

**Contaminated container, packaging and contaminated materials** Not available.

**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.

## Section 14: Transport information

<b>DOT</b>	
<b>UN number</b>	NA1993
<b>UN proper shipping name</b>	Combustible liquid n.o.s. (2-methoxy-1-methylethyl acetate, cyclohexanone) -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.
<b>Further information</b>	Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not applicable.

## Section 15: Regulatory information

### National regulations

**Controlled chemical substances susceptible to manufacturing of narcotics and psychotropic drugs, Lists I, II, III (Decree 1358, published April 17, 2007)**

Cyclohexanone (CAS 108-94-1)

**Prohibited Substances (Reg. 594/1999, art. 65, as of Nov. 8, 2012)**

Not listed.

### 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.

#### Stockholm Convention

Not applicable.

#### Rotterdam Convention

Not applicable.

#### Montreal Protocol

Not applicable.

#### Kyoto protocol

Not applicable.

#### Basel Convention

Not applicable.

## Section 16: Other information

<b>Revision information</b>	Not applicable.
<b>References</b>	Not available.
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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