



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** CG353Series  
**Other means of identification** None.  
**Recommended use of the chemical and restrictions on use**  
**Recommended use** Inkjet printing  
**Recommended restrictions** None known.  
**Manufacturer/Importer/Supplier/Distributor information**  
HP Singapore (Private) Limited  
1 Depot Close  
Singapore, 109841  
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**HP Inc. health effects line**  
**(Toll-free within the US)** 1-800-457-4209  
**(Direct)** 1-760-710-0048  
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## 2. Hazards identification

### GHS classification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Acute toxicity, oral	Category 4
	Serious eye damage/eye irritation	Category 1
	Reproductive toxicity	Category 2
	Specific target organ toxicity, repeated exposure	Category 2
<b>Environmental hazards</b>	Not classified.	

### GHS label elements, including precautionary statements

#### Pictograms



#### Signal word

Danger

#### Hazard statements

Harmful if swallowed. Causes serious eye damage. May cause damage to organs (testes) through prolonged or repeated exposure.

#### Precautionary statements

##### Prevention

Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

##### Response

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 SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. IF exposed or concerned: Get medical attention/advice. Get medical attention/advice if you feel unwell.

##### Storage

Store locked up.

##### Disposal

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

#### Other hazards which do not result in classification

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.

**3. Composition/information on ingredients**

Substance or mixture	Mixture		
Chemical name	Common name and synonyms	CAS Number	Concentration (%)
Water		7732-18-5	70 - 80
1,3-dimethylimidazolidin-2-one		80-73-9	<15
Black Pigment		Proprietary	<5
Isopropyl alcohol		67-63-0	<5

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

**4. First-aid measures**

<b>Inhalation</b>	Move to fresh air. If symptoms persist, get medical attention.
<b>Skin contact</b>	Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.
<b>Eye contact</b>	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.
<b>Ingestion</b>	If ingestion of a large amount does occur, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Most important symptoms/effects, acute and delayed</b>	Not available.
<b>Indication of immediate medical attention and special treatment needed</b>	Not available.

**5. Fire-fighting measures**

<b>Suitable extinguishing media</b>	CO2, water, dry chemical, or foam
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	Not available.
<b>Fire fighting equipment/instructions</b>	Wear suitable protective equipment.
<b>Special protective equipment and precautions for firefighters</b>	Not available.

**6. Accidental release measures**

<b>Personal precautions, protective equipment and emergency procedures</b>	Not available.
<b>Environmental precautions</b>	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
<b>Methods and materials for containment and cleaning up</b>	Wipe up with adsorbent material (e.g. cloth, fleece).

**7. Handling and storage**

<b>Precautions for safe handling</b>	Avoid contact with skin, eyes and clothing. Wear personal protective equipment.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep away from heat, sparks and flame. Store in a cool, dry place out of direct sunlight. Keep containers tightly closed. Keep out of reach of children.

**8. Exposure controls/personal protection****Occupational exposure limits****Singapore. PELs. (Workplace Safety and Health (Permissible Exposure Levels of Toxic Substances) Order)**

Components	Type	Value
Black Pigment	TWA	3.5 mg/m <sup>3</sup>
Isopropyl alcohol (CAS 67-63-0)	STEL	1230 mg/m <sup>3</sup>
	TWA	500 ppm
		983 mg/m <sup>3</sup>
		400 ppm

## Control parameters/Occupational exposure limits

### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Black Pigment	TWA	3 mg/m3	Inhalable fraction.
Isopropyl alcohol (CAS 67-63-0)	STEL	400 ppm	
	TWA	200 ppm	

## Biological limit values

### ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Isopropyl alcohol (CAS 67-63-0)	40 mg/l	Acetone	Urine	*

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

### Exposure guidelines

Exposure limits have not been established for this product.

### Appropriate engineering control measures

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible).

#### Skin protection

##### Hand protection

Wear appropriate chemical resistant gloves.

##### Other

Wear suitable protective clothing and eye/face protection. Remove and wash contaminated clothing before re-use.

#### Respiratory protection

Provide adequate ventilation.

#### Thermal hazards

Not available.

### General hygiene considerations

When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

## 9. Physical and chemical properties

### Appearance

#### Physical state

Not available.

#### Form

Liquid.

#### Color

Black.

### Odor

Not available.

### Odor threshold

Not available.

### pH

8 - 9.5

### Melting point/freezing point

Not available.

### Initial boiling point and boiling range

Not available.

### Flash point

> 160.0 Closed Cup

### Evaporation rate

Not available.

### Flammability (solid, gas)

Not available.

### 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 data

#### VOC

< 226 g/L

## 10. Stability and reactivity

<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Will not occur.
<b>Conditions to avoid</b>	Avoid high temperatures.
<b>Incompatible materials</b>	Incompatible with strong acids and oxidizing agents.
<b>Hazardous decomposition products</b>	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
<b>Skin contact</b>	Contact with skin may result in mild irritation.
<b>Eye contact</b>	Contact with eyes may result in mild irritation.
<b>Ingestion</b>	Health injuries are not known or expected under normal use.

**Acute toxicity** Harmful if swallowed.

<b>Product</b>	<b>Species</b>	<b>Test Results</b>
CG353Series		
<b><u>Acute</u></b>		
<b>Oral</b>		
<i>Liquid</i>		
LD50	Rat	> 2000 mg/kg

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Black Pigment		
<b><u>Acute</u></b>		
<b>Oral</b>		
LD50	Rat	> 10000 mg/kg

**Symptoms** Not available.

**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.

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. Carbon black is present only in a bound form in this preparation. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Black Pigment (CAS Proprietary) 2B Possibly carcinogenic to humans.

**Reproductive toxicity** Suspected of damaging fertility or 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** May cause damage to organs (testes) through prolonged or repeated exposure.

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

**Chronic effects** Not available.

**Other information** Complete toxicity data are not available for this specific formulation  
Refer to Section 2 for potential health effects and Section 4 for first aid measures.

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## 12. Ecological information

**Aquatic toxicity** No information available.  
**Ecotoxicity** This product has not been tested for ecological effects.

Components		Species	Test Results
Isopropyl alcohol (CAS 67-63-0)			
<b>Aquatic</b>			
<i>Acute</i>			
Algae	EC50	Algae	> 1000 mg/l, 72 hours
Crustacea	EC50	Daphnia	13299 mg/l, 48 hours
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> )	9460 mg/l, 96 hours

**Persistence and degradability** Not available.

**Bioaccumulative potential** Not available.

**Octanol/water partition coefficient log Kow**  
Isopropyl alcohol 0.05

**Mobility in soil** Not available.

**Other adverse effects** Not available.

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## 13. Disposal considerations

**Disposal methods/information** Do not allow this material to drain into sewers/water supplies. Dispose of in compliance with federal, state, and local regulations.

**Special precautions** Not available.

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## 14. Transport information

**DOT**  
Not regulated as dangerous goods.

**IATA**  
Not regulated as dangerous goods.

**IMDG**  
Not regulated as dangerous goods.

**ADR**  
Not regulated as dangerous goods.

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## 15. Regulatory information

**Safety, health and environmental regulations specific for the product in question**

**Controlled Narcotic Drugs (Misuse of Drugs Act, First Schedule, Part I, II & III)**

Not regulated.

**Controlled Specified Drugs (Misuse of Drugs Act, Fourth Schedule)**

Not regulated.

**Prior Informed Consent (PIC) Substances (Environment Protection and Management Act, 2nd Schedule, Part 1, Jul. 1, 2013)**

Not regulated.

**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.

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## 16. Other information

**References** Not available.

**Issued by**  
**Company name**

HP Inc.

**Prepared by**  
HP Inc.

**Disclaimer**

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**Issue date**

24-Feb-2016

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02-Oct-2019

**Key/legend**

Not applicable.

**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