



SAFETY DATA SHEET

1. Identification

Product identifier Q2392Series
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
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2. Hazards identification

GHS classification
Physical hazards Not classified.
Health hazards
Acute toxicity, oral Category 4
Serious eye damage/eye irritation Category 1
Reproductive toxicity Category 2
Specific target organ toxicity, repeated exposure Category 2
Environmental hazards 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	40-50
1,3-dimethylimidazolidin-2-one		80-73-9	<50
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

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 ingestion of a large amount does occur, seek medical attention. Never give anything by mouth to an unconscious person.
Most important symptoms/effects, acute and delayed	Not available.
Indication of immediate medical attention and special treatment needed	Not available.

5. Fire-fighting measures

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

6. Accidental release measures

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

7. Handling and storage

Precautions for safe handling	Avoid contact with skin, eyes and clothing. Wear personal protective equipment.
Conditions for safe storage, including any incompatibilities	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 ³
Isopropyl alcohol (CAS 67-63-0)	STEL	1230 mg/m ³
	TWA	500 ppm
		983 mg/m ³
		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

9.5 - 10.5

Melting point/freezing point

Not available.

Initial boiling point and boiling range

Not available.

Flash point

> 200.0 °F (> 93.3 °C) Cleveland 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

< 543 g/L

10. Stability and reactivity

Reactivity	Not available.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Avoid high temperatures.
Incompatible materials	Incompatible with strong acids and oxidizing agents.
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

Information on likely routes of exposure

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

Acute toxicity Harmful if swallowed.

Product	Species	Test Results
Q2392Series		
<u>Acute</u>		
Oral		
<i>Liquid</i>		
LD50	Rat	> 2000 mg/kg

Components	Species	Test Results
Black Pigment		
<u>Acute</u>		
Oral		
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.

12. Ecological information

Ecotoxicity LC50: > 1000 mg/l, Killifish (Aplocheilus lineatus), 96.00 hours
NOAEC: 1000 mg/l, Killifish (Aplocheilus lineatus), 96.00 hours

Product		Species	Test Results
Q2392Series			
Aquatic			
Fish	LC50	Killifish (Aplocheilus lineatus)	> 1000 mg/l, 96 hours
	NOAEC	Killifish (Aplocheilus lineatus)	1000 mg/l, 96 hours

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

13. Disposal considerations

Disposal methods/information Do not allow this material to drain into sewers/water supplies.
Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

Special precautions Not available.

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.

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.

16. Other information

References Not available.

Issued by
Company name HP Inc.

Prepared by
 HP Inc.

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Issue date 01-Jul-2015

Revision date 03-Oct-2019

Key/legend Not applicable.

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