



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the preparation HP Indigo Sapphire 5 Solution
MPS-2041-41

Use of the substance/preparation HP product for use with HP Indigo Digital Presses 2000, 4000.

Version No. 06

Revision date 08-Apr-2012

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2. HAZARDS IDENTIFICATION

Emergency Overview Harmful if swallowed.

Acute health effects

Skin contact Any potential hazards are presumed to be due to exposure to the components.
Unlikely to cause skin irritation.

Inhalation No information available.

Ingestion Ingestion of this product may cause nausea, vomiting and diarrhoea.

Potential health effects

Routes of exposure Potential routes of exposure to this product are skin and eye contact Not applicable. ingestion.

Chronic health effects None known.

Carcinogenicity None of the components present in this formulation at concentrations equal to or greater than 0.1% are listed by EU, MAK, IARC, NTP or OSHA.

Other information This product is classified for health effects according to EU Directive 1999/45/EC with R52/53.

Classification Xn;R22, N;R51/53

Physical hazards Not classified as a physical hazard.

Health hazards Harmful if swallowed.

Environmental hazards Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS #	Percent	EC-No.	Classification
Polyethyleneimine	mixture	2.5 - 5		N;R51/53

Composition comments This product has been evaluated using criteria specified in the EU Directives 67/548/EEC and 1999/45/EC, as amended.
For the full text of the R phrases mentioned in this Section, see Section 16.

4. FIRST-AID MEASURES

Inhalation If overcome by vapor, remove person from exposure to fresh air. If breathing is difficult, give oxygen. If symptoms persist, get medical attention.

Skin contact Wash affected areas thoroughly with mild soap and water.
Immediately take off all contaminated clothing. Wash clothing separately before reuse.
Get medical attention if irritation develops or persists.

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.
Do not apply neutralizing agents.

Ingestion Rinse mouth with water. Drink one to two glasses of water. Do not induce vomiting.
Never give anything by mouth to an unconscious person.
If ingestion of a large amount does occur, seek medical attention.

5. FIRE-FIGHTING MEASURES

Flash point Not available.
Fire fighting equipment/instructions Move containers from fire area if you can do it without risk.
Evacuate area and fight fire from a safe distance.
Suitable extinguishing media Suitable extinguishing media: Dry chemical, CO₂, water spray or regular foam.
Extinguishing media which must not be used for safety reasons None known.
Specific hazards None known.
Hazardous combustion products Refer to section 10.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Wear appropriate personal protective equipment.
Environmental precautions Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
Other information In case of large spills, follow all facility emergency response procedures.

Soak up with inert absorbent material. Slowly vacuum or sweep the material into a bag or other sealed container.
Dispose of in compliance with federal, state, and local regulations.
See also section 13 Disposal considerations.

7. HANDLING AND STORAGE

Handling Avoid prolonged or repeated skin contact with this material.
Avoid contact with skin, eyes and clothing.
Do not reuse the empty container.

Storage Keep away from excessive heat or cold. Store in a cool and shaded area. Do not store in direct sunlight.
Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls Use in a well ventilated area.
Occupational exposure controls
General Use personal protective equipment to minimize exposure to skin and eye.
Hygiene measures Handle in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance aqueous solution
Physical state Liquid
Form Not available.
Colour Not available.
Odour Odorless
Odour threshold Not available.
pH 13 (undiluted)
Boiling point Not applicable
Flash point Not available.
Flammability limits in air, upper, % by volume Not available.
Flammability limits in air, lower, % by volume Not available.
Vapour pressure Not available.
Relative density Not available.
Solubility (water) Soluble in water
Partition coefficient (n-octanol/water) Not available

Viscosity	Not available.
Vapour density	Not available.
Evaporation rate	Not available.
Melting point	Not applicable
Freezing point	Not available.
Auto-ignition temperature	Not available.
Specific gravity	1.03 (20 °C)
Softening point	Not applicable
VOC	0 g/l

10. STABILITY AND REACTIVITY

Hazardous decomposition products	none under normal use
Stability	Stable under normal storage conditions.
Materials to avoid	Not available.
Hazardous polymerisation	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicological information	Refer to Section 2 for potential health effects and Section 4 for first aid measures.
Serious eye damage/eye irritation	Not available.
Further information	No data is available on the product itself.

12. ECOLOGICAL INFORMATION

Aquatic toxicity	This product has not been tested for ecological effects.
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13. DISPOSAL CONSIDERATIONS

Disposal instructions	Dispose of in compliance with federal, state, and local regulations.
Contaminated packaging	Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.
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ADR

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

15. REGULATORY INFORMATION

Labeling

Symbol(s)



Harmful



Dangerous for the environment

R-phrases(s)

R22 Harmful if swallowed.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S13 Keep away from food, drink and animal feeding stuffs.
 S20 When using do not eat or drink.
 S57 Use appropriate container to avoid environmental contamination.
 S60 This material and its container must be disposed of as hazardous waste.
 S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

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, Japan, Philippines, South Korea, New Zealand, and China.

16. OTHER INFORMATION**Wording of the R-phrases in sections 2 and 3**

R22 Harmful if swallowed.
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Other information

This MSDS was prepared in compliance with EU Directive 91/155/EEC as amended by 2001/58/EC.

Disclaimer

This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard Company. Data is the most current known to Hewlett-Packard Company 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.

Issue date

08-Apr-2012

This data sheet contains changes from the previous version in section(s):

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING:
 Product use
 TOXICOLOGICAL INFORMATION: Toxicological information
 TRANSPORT INFORMATION: Further information

Manufacturer information

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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: <value>	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds