



SAFETY DATA SHEET

1. Identification

Product identifier HP Indigo Topaz 17 Solution
MPS-2088-41

Other means of identification Not available.

Recommended use HP product for use with HP Indigo Digital Presses 2000, 4000.

Recommended restrictions None known.

Issue date 05-Jun-2014

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2. Hazard(s) identification

Physical hazards Flammable liquids Category 3

Health hazards Acute toxicity, oral Category 3
Serious eye damage/eye irritation Category 1
Specific target organ toxicity, single exposure Category 3 respiratory tract irritation
Specific target organ toxicity, single exposure Category 3 narcotic effects

OSHA hazard(s) Not classified.

Label elements



Signal word Danger

Hazard statement Highly flammable liquid and vapor. Causes serious eye damage. May cause drowsiness or dizziness.

Precautionary statement

Prevention P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Store in a well-ventilated place. Keep container tightly closed.

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

Hazard(s) not otherwise classified (HNOC) Static accumulating flammable liquid

3. Composition/information on ingredients

Mixtures

Hazardous components

Chemical name	CAS number	%
n-Propyl Alcohol	71-23-8	<90

Non-hazardous components

Chemical name	CAS number	%
Polyamide Resin	68139-70-8	<20

Composition comments This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard).

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.
Most important symptoms/effects, acute and delayed	Not available.

5. Fire-fighting measures

Flash point	73.40 °F (23.00 °C) Pensky-Martens Closed Cup
Suitable extinguishing media	Suitable extinguishing media: Dry chemical, CO ₂ , water spray or regular foam.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	None known.
Special protective equipment and precautions for firefighters	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.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear appropriate personal protective equipment.
Methods and materials for containment and cleaning up	Not available.
Environmental precautions	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

7. Handling and storage

Precautions for safe handling	Avoid prolonged or repeated skin contact with this material. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Do not reuse the empty container. Take precautionary measures against static discharges.
Conditions for safe storage, including any incompatibilities	Keep away from excessive heat or cold. Store in a cool and shaded area. Do not store in direct sunlight.

8. Exposure controls/personal protection**Occupational exposure limits****US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
n-Propyl Alcohol (CAS 71-23-8)	PEL	500 mg/m ³ 200 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
n-Propyl Alcohol (CAS 71-23-8)	TWA	100 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
n-Propyl Alcohol (CAS 71-23-8)	STEL	625 mg/m ³
	TWA	250 ppm
		500 mg/m ³
		200 ppm

Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Use in a well ventilated area.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Not available.
Skin protection	
Hand protection	Not available.
Other	Not available.
Respiratory protection	Not available.
Thermal hazards	Not available.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance	clear liquid
Physical state	Liquid.
Color	Not available.
Odor	alcoholic
Odor threshold	Not available.
pH	7
Melting point/freezing point	Not applicable
Initial boiling point and boiling range	206.6 °F (97 °C) (based on n-propanol)
Flash point	73.40 °F (23.00 °C) Pensky-Martens Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	19 kPa (based on n-propanol)
Solubility(ies)	miscible
Partition coefficient (n-octanol/water)	0.3 (based on n-propanol)
Auto-ignition temperature	743 °F (395 °C)
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Oxidizing properties	Not applicable.
Softening point	Not applicable
Specific gravity	0.844

VOC (Weight %) 675 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	Not available.
Incompatible materials	This product may react with strong oxidizing agents.
Hazardous decomposition products	Not applicable

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics	Not available.
Information on toxicological effects	
Acute toxicity	
Skin corrosion/irritation	Not available.
Serious eye damage/eye irritation	Not available.
Respiratory sensitization	Not available.
Skin sensitization	Not available.
Germ cell mutagenicity	Not available.
Carcinogenicity	Not available.
Reproductive toxicity	Not available.
Specific target organ toxicity - single exposure	Not available.
Specific target organ toxicity - repeated exposure	Not available.
Aspiration hazard	Not available.
Further information	No data is available on the product itself.

Components	Species	Test Results
n-Propyl Alcohol (CAS 71-23-8)		
Acute		
<i>Oral</i>		
LD50	Mouse	6800 mg/kg
	Rabbit	2.8 g/kg
	Rat	1.87 g/kg
<i>Other</i>		
LD50	Mouse	3125 mg/kg
	Rat	590 mg/kg
Polyamide Resin (CAS 68139-70-8)		
Acute		
<i>Oral</i>		
LD50	Rat	>= 15000 mg/kg

12. Ecological information

Aquatic toxicity	This product has not been tested for ecological effects.
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Ecotoxicity

Components	Species	Test Results
n-Propyl Alcohol (CAS 71-23-8)		
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna) 3339 - 3977 mg/l, 48 hours
Fish	LC50	Bleak (Alburnus alburnus) 3000 - 4000 mg/l, 96 hours

Persistence and degradability Not available.**Bioaccumulative potential** Not available.**Partition coefficient n-octanol / water (log Kow)**

MPS-2088-41 0.25, (based on n-propanol) Estimated
n-Propyl Alcohol 0.25

Mobility in soil Not available.**Other adverse effects** Not available.**13. Disposal considerations****Disposal instructions** Dispose of in compliance with federal, state, and local regulations.**Local disposal regulations** Not available.**Hazardous waste code** Not regulated.**Waste from residues / unused products** Not available.**Contaminated packaging** Empty containers should be taken for local recycling, recovery or waste disposal.**14. Transport information****IATA**

UN number UN1274
UN proper shipping name n-Propanol
Transport hazard class(es) 3
Subsidiary class(es) -
Packaging group II
Environmental hazards No
Labels required 3
ERG Code Not available.
Special precautions for user Not available.

IMDG

UN number UN1274
UN proper shipping name n-Propanol
Transport hazard class(es) 3
Subsidiary class(es) -
Packaging group II
Environmental hazards
Marine pollutant No
Labels required 3
EmS Not available.
Special precautions for user Not available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available.

IATA; IMDG

15. Regulatory information

US federal regulations

US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.

US TSCA 12(b): Does not contain listed chemicals.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not on regulatory list.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

No

SARA 311/312 Hazardous chemical

No

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Not listed.

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Not regulated.

DEA Exempt Chemical Mixtures Code Number

Not regulated.

Food and Drug Administration (FDA)

Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

n-Propyl Alcohol (CAS 71-23-8)

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

n-Propyl Alcohol (CAS 71-23-8)

US. Rhode Island RTK

n-Propyl Alcohol (CAS 71-23-8)

US. California Proposition 65

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

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, including date of preparation or last revision

Issue date 05-Jun-2014

Revision date 07-Jul-2014

Version # 02
Further information Not available.
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.

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