



# SAFETY DATA SHEET

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

**Important information** \*\*\* 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. \*\*\*

### 1.1. Product identifier

**Trade name or designation of the mixture** HP Indigo Priming Solution Indicator for use with HP Indigo Digital Press W3250 Q4306A

**Registration number** -

**Synonyms** Part Number Q4306A

**Issue date** 06-Jun-2014

**Version number** 08

**Revision date** 18-Nov-2019

**Supersedes date** 15-Nov-2019

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** HP product for use with HP Indigo Digital Presses W3250.

**Uses advised against** None known.

### 1.3. Details of the supplier of the safety data sheet

HP Finland Oy  
Piispankalliontie 17, Pt. Ground Floor  
Espoo  
Finland FI-02200

**Telephone** +35 205 350

### HP Inc. health effects line

**(Toll-free within the US)** 1-800-457-4209

**(Direct)** 1-760-710-0048

### HP Inc. Customer Care Line

**(Toll-free within the US)** 1-800-474-6836

**(Direct)** 1-208-323-2551

**Email:** hpcustomer.inquiries@hp.com

**1.4 Emergency telephone number** +358 (0)9 471977

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 as amended

#### Physical hazards

Flammable liquids

Category 2

H225 - Highly flammable liquid and vapor.

### 2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

**Contains:** Ethyl Alcohol

#### Hazard pictograms



**Signal word** Danger

**Hazard statements**  
H225 Highly flammable liquid and vapor.

#### Precautionary statements

##### Prevention

P260 Do not breathe mist or vapor.  
P210 Keep away from heat.

#### Response

P308 + P313 If exposed or concerned: Get medical advice/attention.

#### Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P401 Store in accordance with local/regional/national/international regulations.

#### Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information None.

2.3. Other hazards None known.

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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Ethyl Alcohol	<100	64-17-5 200-578-6	-	603-002-00-5	
<b>Classification:</b>	Flam. Liq. 2;H225				

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### SECTION 4: First aid measures

General information Not available.

#### 4.1. Description of 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.

4.2. Most important symptoms and effects, both acute and delayed Not available.

4.3. Indication of any immediate medical attention and special treatment needed Not available.

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### SECTION 5: Firefighting measures

General fire hazards Not available.

#### 5.1. Extinguishing media

**Suitable extinguishing media** Suitable extinguishing media: Dry chemical, CO2, water spray or regular foam.

**Unsuitable extinguishing media** None known.

5.2. Special hazards arising from the substance or mixture None known.

#### 5.3. Advice for firefighters

**Special protective equipment for firefighters** Not available.

**Special fire fighting procedures** Wear suitable protective equipment.  
Move containers from fire area if you can do it without risk.  
Evacuate area and fight fire from a safe distance.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** Wear appropriate personal protective equipment.

**For emergency responders** Not available.

**6.2. Environmental precautions** Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

**6.3. Methods and material for containment and cleaning up** Not available.

**6.4. Reference to other sections** Not available.

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## SECTION 7: Handling and storage

**7.1. Precautions for safe handling** Avoid prolonged or repeated skin contact with this material.  
Keep away from open flames, hot surfaces and sources of ignition.  
Do not reuse the empty container. Take precautionary measures against static discharges.

**7.2. 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.

**7.3. Specific end use(s)** Not available.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements

Components	Type	Value
Ethyl Alcohol (CAS 64-17-5)	STEL	1900 mg/m <sup>3</sup>
		1000 ppm
	TWA	1000 mg/m <sup>3</sup>
		500 ppm

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures** Not available.

**Derived no effect levels (DNELs)** Not available.

**Predicted no effect concentrations (PNECs)** Not available.

### 8.2. Exposure controls

**Appropriate engineering controls** Use in a well ventilated area.

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

**General information** Use personal protective equipment to minimize exposure to skin and eye.

**Eye/face protection** Not available.

#### Skin protection

- Hand protection Not available.

- Other Not available.

**Respiratory protection** Not available.

**Thermal hazards** Not available.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls** Not available.

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Appearance** clear liquid

**Physical state** Liquid.

**Form** Not available.

**Color** Not available.

**Odor** Not available.

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<b>Odor threshold</b>	Not available.
<b>pH</b>	Not applicable
<b>Melting point/freezing point</b>	Not applicable
<b>Initial boiling point and boiling range</b>	172.4 °F (78 °C) (based on Ethanol)
<b>Flash point</b>	57.2 °F (14.0 °C) Pensky-Martens Closed Cup (based on Ethanol)
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	59 kPa (based on Ethanol)
<b>Vapor density</b>	1.59 (based on Ethanol)
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	soluble in water, ether, acetone and oil/fats
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	689 °F (365 °C) (based on Ethanol)
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	Not available.
<b>Oxidizing properties</b>	Not available.
<b>9.2. Other information</b>	
<b>Softening point</b>	Not applicable
<b>Specific gravity</b>	0.8
<b>VOC</b>	795 g/L

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## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	Not available.
<b>10.2. Chemical stability</b>	Stable at normal conditions
<b>10.3. Possibility of hazardous reactions</b>	Will not occur.
<b>10.4. Conditions to avoid</b>	Heat, flames and sparks. Direct sources of heat.
<b>10.5. Incompatible materials</b>	Strong oxidizing agents., alkaline metals, strong acids and strong bases, acid chlorides, acid anhydrides, reducing agents and ammonia.
<b>10.6. Hazardous decomposition products</b>	Carbon monoxide and carbon dioxide.

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## SECTION 11: Toxicological information

**General information** Refer to Section 2 for potential health effects and Section 4 for first aid measures.

### 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>	Ingestion is not a likely route of exposure. Health injuries are not known or expected under normal use.

**Symptoms** Not available.

### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	No data available.
<b>Skin corrosion/irritation</b>	Not classified.
<b>Serious eye damage/eye irritation</b>	Not classified.
<b>Respiratory sensitization</b>	Not classified.
<b>Skin sensitization</b>	Not classified.

<b>Germ cell mutagenicity</b>	Not classified.
<b>Carcinogenicity</b>	Not classified.
<b>Reproductive toxicity</b>	Not classified.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not classified.
<b>Mixture versus substance information</b>	Not available.
<b>Other information</b>	Complete toxicity data are not available for this specific formulation

## SECTION 12: Ecological information

### 12.1. Toxicity

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

Components	Species	Test Results
Ethyl Alcohol (CAS 64-17-5)		
<b>Aquatic</b>		
Crustacea	EC50 Daphnia	9268, 48 Hours
Fish	LC50 Fish	12900, 96 Hours

**12.2. Persistence and degradability** Not available.

**12.3. Bioaccumulative potential** Not available.

**Partition coefficient n-octanol/water (log Kow)**  
Ethyl Alcohol -0.31

**Bioconcentration factor (BCF)** Not available.

**12.4. Mobility in soil** Not available.

**12.5. Results of PBT and vPvB assessment** Not a PBT or vPvB substance or mixture.

**12.6. Other adverse effects** Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Residual waste** Not available.

**Contaminated packaging** Empty containers should be taken for local recycling, recovery or waste disposal.

**EU waste code** Not available.

**Disposal methods/information** Dispose of in compliance with federal, state, and local regulations.

## SECTION 14: Transport information

### IATA

**UN number** UN1170  
**UN proper shipping name** Ethanol  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Label(s)** 3  
**Packing group** II  
**Environmental hazards** No.  
**Special precautions for user** Not available.

### IMDG

**UN number** UN1170  
**UN proper shipping name** Ethanol  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Label(s)** 3  
**Packing group** II

Transport hazard class(es)  
Marine pollutant No.  
EmS Not available.  
Special precautions for user Not available.

**ADR**

UN number UN1170  
UN proper shipping name Ethanol  
Transport hazard class(es)  
Class 3  
Subsidiary risk -  
Label(s) 3  
Hazard No. (ADR) Not available.  
Tunnel restriction code Not available.  
Packing group II  
Environmental hazards No.  
Special precautions for user Not available.

**ADR; IATA; IMDG**



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## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulations

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I**  
Not listed.

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II**  
Not listed.

**Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended**  
Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**  
Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**  
Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**  
Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**  
Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry**  
Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA**  
Not listed.

#### Authorizations

**Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorization**  
Not listed.

#### Restrictions on use

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**  
Not listed.

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work**  
Not regulated.

## Other EU regulations

### Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Ethyl Alcohol (CAS 64-17-5)

## Other 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.

## Other information

This Safety Data Sheet complies with the requirements of Regulation (EU) 2015/830. Classification according to Regulation (EC) No 1272/2008 as amended.

## National regulations

Not available.

## 15.2. Chemical safety assessment

See attached SUMI or GEIS document, if applicable.

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## SECTION 16: Other information

### References

Regulation (EC) No. 1907/2006 of December 18, 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) and establishing a European Chemicals Agency (REACH).

Regulation (EU) 2015/830 of May 28, 2015 amending Regulation (EC) No. 1907/2006.

Regulation (EC) No. 1272/2008 of December 16, 2008 on classification, labeling and packaging of substances and mixtures, and amendments (CLP).

### Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

### Full text of any H-statements not written out in full under Sections 2 to 15

H225 Highly flammable liquid and vapor.

### Revision information

None.

### Training information

Follow training instructions when handling this material.

### Disclaimer

This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP 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.

## 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

# Safe Use of Mixture Information (SUMI)

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## Primer/Pretreatment: PR01 \*English\*

### Disclaimer

This SUMI is a generic document for communicating conditions of safe use of a product in response to the REACH obligation. This document relates only to conditions of safe use and is not specific to a product. By adding this SUMI to a specific product SDS, the importer/formulator declares that the mixture can safely be used following the instructions below. Following occupational health legislation, the employer of workers remains responsible for communicating relevant use information to employees. When developing workplace instructions for employees, SUMI Sheets should always be considered in combination with the SDS and the label of the product. Derived No Effect Levels (DNEL) and Predicted No Effect Concentration (PNEC) values of substances derived from the Chemical Safety Assessment (CSA) will be given in section 8 of the SDS.

The REACH registration number(s), where applicable, completes an extended product SDS.

### Operational conditions

<b>Maximum duration</b>	Up to 8 hours per day
<b>Frequency of exposure</b>	< 240 days per year
<b>Process conditions</b>	Covers use at ambient temperatures. Adequate ventilation should be provide for the areas where printing is performed. ANSI/ASHRAE Standard 62.1-2013 provides Keep emissions below the occupational exposure limits of the ingredients specified in section 8 of the SDS.  Avoid direct contact. Regular cleaning of equipment and work area. Supervision in place to check that Risk Management Measures are in place are being correctly used and Operational Conditions follow

### Risk management measures

<b>Conditions and measures related to Personal Protection Equipment, hygiene and health evaluation</b>	Wear safety glasses with side shields (or goggles), if splashing is possible. Wear appropriate chemical resistant gloves: see section 8 of the SDS. Wear appropriate chemical resistant clothing. Eye wash fountain and emergency showers are recommended. Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment. Avoid breathing mist/vapours. Avoid contact with skin, eyes and clothing. Training of workers in relation to proper use and maintenance of all Personal protection equipment (PPE) must be ensured.
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### Good practice advice

Use personal protective equipment as required.  
Wash hands before breaks and after work.  
Keep good industrial hygiene and safety practice.  
Use only with adequate ventilation.  
Do no eat, drink or smoke when using this product.  
Wash contaminated clothing before reuse.  
Store at room temperature.



### Environmental measures

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 appropriately licenced waste contractor.

### Use descriptors

IS-Use at industrial sites  
PW-Widespread use by professional workers  
SU7-Printing and reproduction media  
PC15-Non-metal surface treatment product  
PROC8a-Transfer of substance or mixture (charging and discharging) at non-dedicated facilities  
PROC8b-Transfer of substance or mixture (charging and discharging) at dedicated facilities  
PROC10-Roller application or brushing  
ERC5-Use at industrial site leading to inclusion into/onto article  
ERC8c-Widespread use leading to inclusion into/onto article (indoor)

### Additional information on product composition

In section 2 of the SDS as well as on the label, the classification of the mixture is provided.  
The classification of the mixture is based on the individual ingredients and their concentration within the mixture.  
All ingredients contributing to the classification are stated in Section 3 of the SDS.  
Relevant limit values of ingredients on which the exposure assessment is based, are listed in section 8 of the SDS.  
The product may contain sensitizing ingredients that may cause allergic reaction to certain people.  
Section 2 of the SDS states these ingredients where applicable.