**22293: Absolute Cyan® ink for use in HP Pagewide Pro X 577dw, 552dw, 477dw, 452dw (HP 973, 974, 975), 1 liter (1kg) Pigmented**

## SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 PRODUCT IDENTIFIER

**Product Name:** Absolute Cyan® ink for use in HP Pagewide Pro X 577dw, 552dw, 477dw, 452dw (HP 973, 974, 975), 1 liter (1kg)
**Part Number:** 22293 **CAS NUMBER:** MIXTURE

### 1.2 IDENTIFIED USES AND USES ADVISED AGAINST

**Intended Use:** For use in Inkjet Printer/Fax/Copier Cartridges
**Do not use for:** Not advised for uses other than those described above.

### 1.3 SUPPLIER DETAILS

**Supplier:** UNINET IMAGING EUROPE, S.L.
Avinguda del Progres 52
Barcelona
Vilassar de Mar 08340
Spain
**e-mail:** support@uninetimaging.es
**T:** +34 (902) 196 170
**Contact Hours:** 9:00 AM - 18:00 PM EU
**F:** +34 93 741 41 66

### 1.4 EMERGENCY TELEPHONE NUMBERS

**Emergency:** +34 915 620 420 **Emergency Hours:** 7:00 AM - 4:00
**EUROPEAN EMERGENCY:** 112 [24H] **COUNTRY EMERGENCY:** +34915620420 [24H]

## SECTION 2 - HAZARDS IDENTIFICATION

### 2.1 INFORMATION and CLASSIFICATION

**Hazard Statement:** Causes skin irritation
Causes serious eye irritation
May damage fertility or the unborn child

**Classification According to Directive 1272/2008/EC (CLP):** Causes serious eye damage, skin corrosion, or respiratory irritation

**Hazard Classes:** H315 H319 H360

**Mixture Hazard Phrases [See also Section 16]:** Skin Irrit. 2 Eye Irrit. 2A Repr. 1A/1B

**Classification According to Global Harmonized System (GHS):**
Global Harmonized System (GHS) Classification: Causes serious eye damage, skin corrosion, or respiratory irritation

**Signal Word:** DANGER

### 2.2 LABEL ELEMENTS

**Applicable Pictograms:**



**Precautionary Statements:** Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash hands thoroughly after handling.
Wear protective gloves, dust mask, and goggles.

### 2.3 OTHER HAZARDS

**PBT or vPvB:** N/A

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## SECTION 3 - COMPOSITION AND INFORMATION ON INGREDIENTS

| CAS NUMBER | CHEMICAL NAME | WT % | EC NUMBER | REACH NUMBER | GHS CLASSIFICATION |
|---|---|---|---|---|---|
| 7732-18-5 | Deionized Water | 67-88 | 231-791-2 | -------- | Not classified |
| 56-81-5 | Glycerol | 5-10 | 200-289-5 | -------- | Not classified |
| 112-27-6 | Triethylene glycol | 5-10 | 203-953-2 | -------- | Not classified |
| 147-14-8 | Cyan Pigment | 1-5 | 205-685-1 | -------- | Not classified |
| CONFIDENTIAL | Acrylic copolymer | 1-5 | -------- | -------- | Not classified |
| CONFIDENTIAL | Nonionic Surfactant | 0.1-3 | -------- | -------- | Not classified |
| 107-21-1 | ethanediol; ethylene glycol | 0.01-1.0 | 203-473-3 | -------- | See Hazard Class |
| Hazard Classes: Acute Toxicity; | | | | | |
| INGREDIENT HAZARD PHRASES: H302 Harmful if swallowed | | | | | |
| 111-76-2 | 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve | <0.05 | 203-905-0 | -------- | See Hazard Class |
| Hazard Classes: Respiratory Sensitivity 3; Skin Sensitivity; Acute Toxicity; Eye Irritation 2; Skin Irritation2; | | | | | |
| INGREDIENT HAZARD PHRASES: H332 Harmful if inhaled; H312 Harmful in contact with skin; H302 Harmful if swallowed; H319 Causes serious eye irritation; H315 Causes skin irritation | | | | | |

**No additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and require reporting in this section.**

**Substances in Annex XIV to Regulation (EC) No 1907/2006 (Authorization) or the Candidate List of SVHC: None**

**Substances in Annex XVII to Regulation (EC) No 1907/2006 (Restriction): None**

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## SECTION 4 - FIRST AID MEASURES

### 4.1 FIRST AID MEASURES

#### 4.1.1 FIRST AID INSTRUCTIONS BY RELEVANT ROUTES OF EXPOSURE

**Inhalation:** Ink vapors may cause respiratory irritation. Take affected persons out to fresh air, if necessary.

**Eye Contact:** Ink contact with eye can cause serious eye irritation. While lifting upper eyelid, flush eyes with plenty of water for at least 15 minutes, and then get immediate medical attention

**Skin Contact:** Ink contact with skin may cause irritation, swelling, or redness. Wash material off of the skin with plenty of soap and water. If any other symptom develops get medical attention.

**Ingestion:** Get medical attention. If the person has swallowed a large quantity, get medical attention. If person is unconscious, turn head to side. If vomiting occurs, keep head lower than hips to help prevent aspiration.

#### 4.1.2 ADDITIONAL FIRST AID INFORMATION

**Additional First Aid Information:**

No additional information available

**Immediate medical attention required:**

Short term exposure : Glycerin - fever, nausea, vomiting, diarrhea, headache, dizziness, sleep disorders, blood disorders, kidney failure, paralysis.

### 4.2 SYMPTOMS AND EFFECTS

**Acute Symptoms from Exposure:** No additional information available

**Delayed Symptoms from Exposure:** No additional information available

### 4.3 IMMEDIATE SPECIAL TREATMENT OR EQUIPMENT REQUIRED

Consider providing additional oxygen.

## SECTION 5 - FIRE FIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

**Recommended Extinguishing Media:**

Non flammable liquid; no special explosion hazards are known.

**Extinguishing Media Not to Use:**

Do not scatter spilled material with high-pressure water.

### 5.2 SPECIAL HAZARDS

**Unusual Fire/Explosion Hazards:**

No information available

**Ignition Temperature:**

Not applicable

### 5.3 ADVICE FOR FIRE FIGHTERS

No additional information available

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

**6.1.1 Precautions for Non-Emergency Personnel:**

Wear skin protection during cleanup. Ventilate to eliminate all vapors.

**6.1.2 Precautions for Emergency Personnel:**

Wear skin protection during cleanup. Use water spray to reduce vapors.

**6.1.3 Personal Protection:**

Wear skin and eye protection during cleanup

### 6.2 ENVIRONMENTAL PRECAUTIONS

**Regulatory Information:**

Store in an area separated from water supply and sewer.

### 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANUP

**Spill or Leak Cleanup Procedures:**

Wear skin protection during cleanup. Contain spill and keep out of sewers and drains. Soak up material with absorbent and shovel into a chemical waste container. Wash residue from spill area with water and flush only to a sewer serviced by a wastewater treatment facility. Use care to minimize the amount of colored material that reaches the sewer.

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## SECTION 7 - HANDLING AND STORAGE REQUIREMENTS

### 7.1 PRECAUTIONS FOR SAFE HANDLING

**Recommendations for Handling:** Keep out of reach of children and do not drink ink.
Keep containers sealed at all times.

**Advice on General Hygiene:** None

### 7.2 CONDITIONS FOR SAFE STORAGE

Store in a closed container. Do not store the ink in high or freezing Temperatures. Keep ink out of direct sunlight.

### 7.3 SPECIFIC END USES

Inkjet cartridge replacement ink.

## SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

Use standard ventilation; according to studies so far, additional ventilation equipment is not required.

### 8.2 EXPOSURE CONTROLS

| AGENCY | Exposure Guidelines: | AGENCY | Exposure Guidelines: |
|---|---|---|---|
| USA - OSHA | N/A | N/A | N/A |
| USA - ACGI | N/A | N/A | N/A |
| UK - WEL: | NONE | N/A | N/A |

**Respiratory Protection:** None required when ink is used as intended. Note warnings.

**Eye/Face Protection:** Wear splash-proof eye goggles or splash resistant safety goggles with a face shield.
**Hand/Skin Protection:** Wear appropriate chemical resistant gloves.
**Additional Protection:** Wear appropriate chemical resistant clothing.
**Protective Clothing and Equipment:** Use gloves, apron, mask, goggles.
**Safety Stations:** Provide an emergency eye wash fountain and quick drench shower in the immediate work area
**Contaminated Equipment:** No additional information available

**Comments:** None


WEAR SAFETY GOGGLES


WEAR PROTECTIVE GLOVES


WEAR IMPERVIOUS CLOTHING

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## SECTION 9 - INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 DETAIL INFORMATION

**Appearance:** Liquid, black color

| | | | |
|---|---|---|---|
| **Odor:** | Distinct | **Evaporation Rate:** | No information available |
| **Odor Threshold:** | No information available | **Relative Density:** | No information available |
| **Flash Point:** | Non-flammable liquid | **Flammability:** | No information available |
| **Bulk Density:** | No information available | **UPR/LWR Flamm Limits:** | No information available |
| **Specific Gravity:** | No information available | **Vapor Pressure:** | No information available |
| **PH:** | 7.5-10.0 | **Vapor Density:** | No information available |
| **Solubilities:** | Completely soluble in water | **Auto Ignition Temp:** | No information available |
| **Partition coefficient:** | No information available | **Decomposition Temp:** | No information available |
| **Boiling Point:** | >100° C | **Viscosity:** | 2.5-6.0 cps at 25° C |
| **Melting Point:** | Not applicable for this product | **Explosive Properties:** | No information available |
| **Surface Tension:** | No information available | **Oxidizing Properties:** | No information available |

### 9.2 OTHER INFORMATION

None

## SECTION 10 - STABILITY AND REACTIVITY

### 10.1 REACTIVITY

**Reactivity Hazards:** Stable at room temperature and atmospheric pressure.
**Data on Mixture Substances:** No information available

### 10.2 STABILITY

**10.2 Stability:** No information available
**10.3 Hazardous Polymerization:** Do not store for an extended period, or store or use in an area in direct contact with air and sun and above room temperature.
**10.4 Conditions to avoid:** May form explosive peroxides. Stable at room temperature and atmospheric pressure.
**10.5 Incompatible Materials:** Acid, base, oxidizing agents, metallic oxide, peroxides, reducing agents, halogen, inflammables, mineral salt.
**10.6 Hazardous Decomposition:** Produces carbon oxide and sulfur compounds during thermal decomposition, and a variety of organic matters, cyanide

## SECTION 11 - TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECT

**Mixture:** The product DOES NOT contain lead(Pb), mercury(Hg), hexavalent chromium(Cr6+), polybrominated biphenyl(PBB), polybrominated biphenyl ether(PBDE) in a quantity >.05% or cadmium (Cd) > .01% per 100 grams of non-volatile mass.

**Acute Toxicity:** No information available
**Skin Corrosion/Irritation:** It can be absorbed through skin, making it red and developing irritation.
**Serious Eye Damage:** Exposure can cause serious eye damage. According to rabbit tests, it can develop corneal opacity with pain to humans, but recovered in a few days.
**Sensitization:** Inhalation: May cause irritation,nausea,headache,drowsiness,dizziness, dyspnea, pulmonary congestion,internal bleeding,blood disorders,kidney
**Mutagenicity:** failure,unconsciousness,loss of coordination.Overexposure of skin may cause irritation/swelling/redness.
**Carcinogenicity:** Intenti
**Reproductive Toxicity:** No information available.
**STOT - Single Exposure:** No information available
**STOT - Multiple Exposure:** No information available
**Ingestion:** It develops lethargy, dizziness, dyspnea, metabolic acidosis, hematuria, or liver disease. When it is inhaled, it irritates nose and neck.
**Hazard Class Information:** According to animal tests, inhalation can cause toxic effects on blood.
**Mixture on Market Data:** Intentional or accidental oral ingestion may cause an upset stomach.
**Test Data on Mixture:** No information available
**Not Meeting Classification:** No information available
**Routes of Exposure:** No information available
**Symptoms:** No information available
**Delayed/Immediate Effects:** Eye, skin, inhalation, and oral.
**Interactive Effects:** No information available
**Absence of Specific Data:** N/A
**Mixture vs Substance Data:** No information available
No information available

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## SECTION 12 - ECOLOGICAL INFORMATION

**12.1 Ecotoxicity** Follow applicable pictograms
**12.2 Degradability:** No information available
**12.3 Bioaccumulation Potential:** No information available
**12.4 Mobility in Soil:** No information available
**12.5 PBT & vPvB Assessment:** This mixture does not contain any substances that are assessed to be a PBT or a vPvB
**12.6 Other Adverse Effects:** No information available

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Disposal Information:**

Empty container retains product residue.
Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product.

**Physical/Chemical Properties that affect Treatment:**

1. Neutralize, hydrolyze, oxidize, or restore it.
2. Incinerate or melt it in high temperature.

**Waste Treatment Information:**

Do not dispose into the environment, in drains or in water courses. Waste product should not be allowed to contaminate soil or water.

**Waste Treatment Information:**

Discourage sewage disposal

**Personal Protection Required:**

No information available

## SECTION 14 - TRANSPORT INFORMATION

**General Comments:** Follow the cautions listed on handling and storage

**14.1 UN Number:** No information available
**14.2 UN Shipping Name:** No information available
**12.3 Hazard Class:** No information available
**14.4 Packing Group:** No information available
**14.5 Environmental Hazards:** No information available
**14.6 User Precautions:** No information available
**14.7 Bulk Transport:** No information available

## SECTION 15 - REGULATORY INFORMATION

**EU Regulatory Information:** No information available
**EPA Regulatory Information:** TSCA: All ingredients are listed on the TSCA Inventory
**CERCLA Reportable Quantity:** None

**Superfund Information:**
**Hazard Categories:**

**Immediate:** None
**Delayed:** None
**Fire:** None
**Pressure:** None
**Reactivity:** None

**Section 302 - Extremely Hazardous:** None
**Section 311 - Hazardous:** None

**State Regulations:**
No information available

**Other Regulatory Information:**
No information available

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## SECTION 16 - OTHER INFORMATION

**General Comments:** None

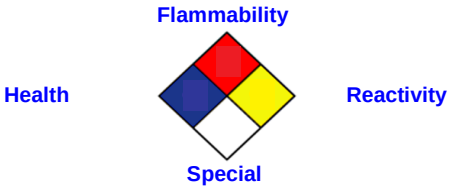
**Issue Date of this SDS:** 19-Jun-19

**Replaces Document dated:** N/A

**Revised Sections:** N/A

**NFPA 704 Ratings:**

| | |
|---|---|
| **Flammability:** | N/A |
| **Health:** | N/A |
| **Reactivity:** | N/A |
| **Special:** | N/A |




**Additional Comments:**
No additional information available

**Key to Abbreviations and Acronyms used in this sheet [N/A = Not Available]:**

EU = Europe or European
OSHA = Occupational Safety Health Administration
PEL = Permissible Exposure Limit
ACGIH = American Conference of Governmental Industrial Hygenists
CLP = Classification, Labeling and Packaging
GHS = Globally Harmonised System
NIOSH = National Institute for Occupational Safety and Health
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DSD = Dangerous Substances Directive
UK = United Kingdom
SCBA = Self Contained Breathing Apparatus
EPA = Environmental Protection Agency
STOT = Specific Target Organ Toxicity
UN = Uninet Nations
ECHA = European Chemicals Agency
NFPA = National Fire Protection Association
EC = European Community
WEL = Workplace Exposure Limit

**Data Sources:** N/A

**Classification Methods:** No additional information available

**CLP Classification:** No additional information available

**Labeling Phrases:** No additional information available

**Hazard Phrases:**

H315 Causes skin irritation
H319 Causes serious eye irritation
H360 May damage fertility or the unborn child

**Other Information:** If ingested, may cause upset stomach.
Do not store ink in high or freezing Temperatures.
Keep out of the reach of children; do not drink ink.
Dispose of in accordance with local/regional/national/international regulations as specified.

**Worker Training:** N/A

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