

**SAFETY DATA SHEET****339461: Pelikan cyan, magenta, yellow inks for HP DJ610C (Cart 49)****1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

PRODUCT NAME 339461: Pelikan cyan, magenta, yellow inks for HP DJ610C (Cart 49)

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**2 HAZARDS IDENTIFICATION**

Not regarded as a health or environmental hazard under current legislation.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Name	EC No.	CAS-No.	Content	Classification
2-PYRROLIDONE	210-483-1	616-45-5	1-5%	Xn;R22.
GLYCOLS			10-30%	Xi;R36/38.

The Full Text for all R-Phrases are Displayed in Section 16

**4 FIRST-AID MEASURES****GENERAL INFORMATION**

When in doubt or symptoms persist, seek medical attention.

**INHALATION**

General first aid, rest, warmth and fresh air.

**INGESTION**

Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention immediately!

**SKIN CONTACT**

Wash skin thoroughly with soap and water.

**EYE CONTACT**

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart.

**5 FIRE-FIGHTING MEASURES****EXTINGUISHING MEDIA**

Use fire-extinguishing media appropriate for surrounding materials.

**SPECIAL FIRE FIGHTING PROCEDURES**

Avoid breathing fire vapours.

**SPECIFIC HAZARDS**

The product is non-combustible. If heated, irritating vapours may be formed.

**6 ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS**

Use protective gloves, goggles and suitable protective clothing.

**ENVIRONMENTAL PRECAUTIONS**

Do not allow to enter drains, sewers or watercourses.

**339461: Pelikan cyan, magenta, yellow inks for HP DJ610C (Cart 49)****SPILL CLEAN UP METHODS**

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Collect with non-combustible absorbent material. Flush with water. Dike for large spills. For waste disposal, see section 13.

**7 HANDLING AND STORAGE****USAGE PRECAUTIONS**

Do not eat, drink or smoke when using the product. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Observe good industrial hygiene practices.

**STORAGE PRECAUTIONS**

Keep in a cool, dry, well-ventilated place. Keep above the chemical's freezing point to avoid rupturing the container. Store away from Acids.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION****INGREDIENT COMMENTS**

No exposure limits noted for ingredient(s).

**ENGINEERING MEASURES**

Provide adequate ventilation.

**HAND PROTECTION**

Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

**EYE PROTECTION**

If risk of splashing, wear safety goggles or face shield.

**HYGIENE MEASURES**

Wash contaminated clothing before reuse. When using do not eat, drink or smoke.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Liquid		
COLOUR	Blue Red Yellow		
ODOUR	Noticeable.		
SOLUBILITY	Miscible with water.		
BOILING POINT (°C)	> 100	MELTING POINT (°C)	< 0
RELATIVE DENSITY	1.0-1.2	VAPOUR DENSITY (air=1)	> 1
pH-VALUE, CONC. SOLUTION	5-9	VISCOSITY	2-5 cps
FLASH POINT (°C)	NA	PARTITION COEFFICIENT (N-Octanol/Water)	ND

**10 STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions and recommended use.

**CONDITIONS TO AVOID**

Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**11 TOXICOLOGICAL INFORMATION****INHALATION**

May cause irritation to the respiratory system.

**INGESTION**

Gastrointestinal symptoms, including upset stomach.

**SKIN CONTACT**

May be absorbed through the skin.

**EYE CONTACT**

May cause temporary eye irritation.

**12 ECOLOGICAL INFORMATION**

**339461: Pelikan cyan, magenta, yellow inks for HP DJ610C (Cart 49)****ECOTOXICITY**

The product is not expected to be hazardous to the environment. Volatile organic compounds (VOC): 10-20%.

**BIOACCUMULATION**

No data available on bioaccumulation.

**DEGRADABILITY**

There are no data on the degradability of this product.

**WATER HAZARD CLASSIFICATION**

WGK: ND.

**13 DISPOSAL CONSIDERATIONS****GENERAL INFORMATION**

Waste to be treated as controlled waste. Disposal should be in accordance with local, state or national legislation.

**WASTE CLASS**

List of Wastes (ref: Decision 2000/532/EC): 08 03 13.

**14 TRANSPORT INFORMATION****GENERAL**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**15 REGULATORY INFORMATION****RISK PHRASES**

NC Not classified.

**SAFETY PHRASES**

S2 Keep out of the reach of children

P13 Safety data sheet available for professional user on request.

**UK REGULATORY REFERENCES**

Health and Safety at Work Act 1974.

**ENVIRONMENTAL LISTING**

Environmental Protection Act 1990. Pollution Prevention and Control Act 1999.

**EU DIRECTIVES**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

**STATUTORY INSTRUMENTS**

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

**APPROVED CODE OF PRACTICE**

Safety Data Sheets for Substances and Preparations.

**GUIDANCE NOTES**

Classification and Labelling of Substances and Preparations Dangerous for Supply.

**NATIONAL REGULATIONS**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits EH40. Hazardous Waste Regulations 2005. List of Wastes Regulations 2005. The Solvent Emissions Regulations 2004.

**16 OTHER INFORMATION****GENERAL INFORMATION**

NA = not applicable. NC = not classified. ND = no data. TWA = time-weighted average. Not classified as hazardous for users. This Safety Data Sheet satisfies the requirements of the REACH Regulation (EC): No 1907/2006, as corrected. Article 31. All brand names and trademarks are the property of their respective holders and are used here for descriptive purposes only.

**REVISION COMMENTS**

Changes to Section(s): 15 16

**REVISION DATE**

B / 22.01.10

**SDS NO.**

339461

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RISK PHRASES IN FULL

R22	Harmful if swallowed.
R36/38	Irritating to eyes and skin.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.