

**SAFETY DATA SHEET**  
**339454: Pelikan black ink for HP DJ610 (Cart 20)****1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

PRODUCT NAME 339454: Pelikan black ink for HP DJ610 (Cart 20)

SUPPLIER Pelikan Hardcopy European  
Logistics & Services GmbH  
Neue Strasse 19  
D-52382 Niederzier 2  
Germany  
+49 (0) 2428 830

EMERGENCY TELEPHONE +41 (0) 44 986 1111

**2 COMPOSITION/INFORMATION ON INGREDIENTS**

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

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

**3 HAZARDS IDENTIFICATION**

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

**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.

**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.

**339454: Pelikan black ink for HP DJ610 (Cart 20)****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	Black		
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

May cause discomfort if swallowed.

## SKIN CONTACT

Skin irritation is not anticipated when used normally.

## EYE CONTACT

May cause temporary eye irritation.

**12 ECOLOGICAL INFORMATION**

## ECOTOXICITY

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

## BIOACCUMULATION

No data available on bioaccumulation.

**339454: Pelikan black ink for HP DJ610 (Cart 20)**

## 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

P13 Safety data sheet available for professional user on request.

S2 Keep out of the reach of children

## UK REGULATORY REFERENCES

Health and Safety at Work Act 1974.

## ENVIRONMENTAL LISTING

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

## EU DIRECTIVES

Dangerous Preparations Directive 1999/45/EEC. System of specific information relating to Dangerous Preparations. 2001/58/EEC.

## 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.

## REVISION COMMENTS

This is first issue.

## REVISION DATE

A / 24.11.05

## SDS NO.

339454

## 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.