



SAFETY DATA SHEET

33.033: Pelikan IR ink black

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	33.033: Pelikan IR ink black		
SUPPLIER	Pelikan Hardcopy European Logistics & Services GmbH Neue Strasse 19 D-52382 Niederrhein 2 Germany +49 (0) 2428 830 olaf.lehmann@phiag.com	MANUFACTURER	Pelikan Hardcopy Production AG Gewerbestrasse 9 CH-8132 Egg/ZH Switzerland +41 (0) 44 986 1111
EMERGENCY TELEPHONE	+41 (0) 44 986 1111 (available only during office hours)		

2 HAZARDS IDENTIFICATION

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

HUMAN HEALTH

Low hazard expected under normal conditions of use.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
CI SOLVENT BLUE 4	229-851-8	6786-83-0	1-5%	Xn;R22.
CI SOLVENT ORANGE 3	207-803-7	495-54-5	1-5%	Xn;R20/22.
CI SOLVENT VIOLET 8		52080-58-7	5-10%	Xn;R22.

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

COMPOSITION COMMENTS

This ink does not contain: Substances of Very High Concern (SVHC). The current Candidate List of SVHC for Authorisation can be found (in English only) on the European Chemicals Agency (ECHA) website: http://echa.europa.eu/chem_data/candidate_list_table_en.asp.

4 FIRST-AID MEASURES

GENERAL INFORMATION

Possible irritation of affected areas. When in doubt or symptoms persist, seek medical attention.

INHALATION

General first aid, rest, warmth and fresh air. Get medical attention if any discomfort continues.

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

Not flammable but will support combustion. Extinguish with foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours.

SPECIFIC HAZARDS

By heating and fire, irritating vapours/gases may be formed.

33.033: Pelikan IR ink black**6 ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses.

SPILL CLEAN UP METHODS

Collect with absorbent, non-combustible material into suitable containers. Clean contaminated area with oil-removing material. For waste disposal, see section 13.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Provide good ventilation. Avoid contact with skin and eyes. Wash thoroughly after use. Observe good industrial hygiene practices.

STORAGE PRECAUTIONS

Keep containers tightly closed. Keep in a cool, dry, well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
CI SOLVENT BLUE 4	ACGIH		10 mg/m3		No std.	
CI SOLVENT ORANGE 3			No std.		No std.	
CI SOLVENT VIOLET 8	ACGIH		10 mg/m3		No std.	

ACGIH = American Conference of Governmental Industrial Hygienists.

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.

OTHER PROTECTION

Wear appropriate clothing to prevent repeated or prolonged skin contact.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Viscous liquid		
COLOUR	Black		
ODOUR	Noticeable.		
SOLUBILITY	Immiscible with water		
BOILING POINT (°C)	ND	MELTING POINT (°C)	ND
RELATIVE DENSITY	ca 0.9 @ 25 °C	VAPOUR PRESSURE	ND
pH-VALUE, CONC. SOLUTION	NA	VISCOSITY	600 - 700 mPas @ 25 °C
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.

33.033: Pelikan IR ink black**11 TOXICOLOGICAL INFORMATION****INHALATION**

May cause irritation to the respiratory system.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking.

EYE CONTACT

May cause temporary eye irritation.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

The product may have adverse effects on organisms in soil and water. Volatile organic compounds (VOC): 0%.

MOBILITY

The product has poor water-solubility. Not considered mobile.

BIOACCUMULATION

No data available on bioaccumulation.

DEGRADABILITY

There are no data on the degradability of this product.

WATER HAZARD CLASSIFICATION

WGK 2 (Medium hazard)(Self-classification)

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

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

DISPOSAL METHODS

Do not allow runoff to sewer, waterway or ground. Contact specialist disposal companies. Liquid components can be disposed of by incineration.

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.

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.

33.033: Pelikan IR ink black

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. All components are pre-registered at the European Chemicals Agency (ECHA). This Safety Data Sheet satisfies the requirements of the REACH Regulation (EC): No 1907/2006, as corrected. Article 31. The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents. The precise composition of this product is proprietary information. More details will be supplied in confidence to qualified medical personnel if specific treatment is necessary. All brand names and trademarks are the property of their respective holders and are used here for descriptive purposes only.

REVISION COMMENTS

This is first issue.

REVISION DATE	A / 23.03.09
---------------	--------------

SDS NO.	33.033
---------	--------

RISK PHRASES IN FULL

R20/22	Harmful by inhalation and if swallowed.
--------	---

R22	Harmful if swallowed.
-----	-----------------------

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.