

SAFETY DATA SHEET

Pelikan IR ink black (049/1)

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME	Pelikan IR ink black (049/1)		
SUPPLIER	Pelikan Hardcopy European Logistics & Services GmbH Neue Strasse 19 D-52382 Niederzier 2 Germany +49 (0) 2428 830	MANUFACTURER	Pelikan Hardcopy Production AG Leestrass 1 CH-8132 Egg/ZH Switzerland +41 (0) 44 986 1111
EMERGENCY TELEPHONE	+41 (0) 44 986 1111		

2 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	1-5%	Xn;R22.

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.

ENVIRONMENT

Contains a substance which causes risk of hazardous effects to the environment.

HUMAN HEALTH

Low hazard expected under normal conditions of use.

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.

6 ACCIDENTAL RELEASE MEASURES

Pelikan IR ink black (049/1)**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	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
CI SOLVENT VIOLET 8	ACGIH		10 mg/m3		No std.
CI SOLVENT BLUE 4	ACGIH		10 mg/m3		No std.
CI SOLVENT ORANGE 3	ACGIH		No std.		No std.

INGREDIENT COMMENTS

ACGIH = US Standard.

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.

11 TOXICOLOGICAL INFORMATION**INHALATION**

May cause irritation to the respiratory system.

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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.

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.

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.

EU DIRECTIVES

Not hazardous according to current Dangerous Preparations Directive (1999/45/EC). The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents.

NATIONAL REGULATIONS

Not hazardous according to the current Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP).

16 OTHER INFORMATION

GENERAL INFORMATION

NA = not applicable. NC = not classified. ND = no data.

REVISION COMMENTS

This is first issue.

REVISION DATE A / 15.12.04

SDS NO. 32.087

RISK PHRASES IN FULL

R20/22 Harmful by inhalation and if swallowed.

R22 Harmful if swallowed.

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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.