



## SAFETY DATA SHEET

### 27.959: Pelikan black / cyan / magenta / yellow toner for Brother HL-4040

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

PRODUCT NAME	27.959: Pelikan black / cyan / magenta / yellow toner for Brother HL-4040
SUPPLIER	Pelikan Hardcopy European Logistics & Services GmbH Neue Strasse 19 D-52382 Niederzier 2 Germany +49 (0) 2428 830 Olaf Lehmann olaf.lehmann@phpag.com
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

Dust may irritate respiratory system or lungs. May irritate eyes. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
AMORPHOUS SILICON DIOXIDE (chemically produced)	231-545-4	7631-86-9	1-5%	-
BLUE PIGMENT (cyan toner only)	205-685-1	147-14-8	1-5%	-
CARBON BLACK (black toner only)	215-609-9	1333-86-4	1-5%	-
FATTY ACID (confidential CAS Number)			5-10%	-
RED PIGMENT (magenta toner only)	229-246-9	6448-96-0	1-5%	-
RED PIGMENT (magenta toner only)	260-152-0	56396-10-2	1-5%	-
STYRENE ACRYLATE RESIN (confidential CAS Number)			60-100%	-
YELLOW PIGMENT (yellow toner only)	271-176-6	68516-73-4	5-10%	-

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

May cause irritation to the respiratory system. General first aid, rest, warmth and fresh air. Get medical attention.

##### INGESTION

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

##### SKIN CONTACT

Remove contaminated clothing. Wash skin thoroughly with soap and water.

##### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes and get medical attention.

#### 5 FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

Fire can be extinguished using: Carbon dioxide (CO<sub>2</sub>). Water spray, fog or mist. Foam. Dry chemicals.

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**SPECIAL FIRE FIGHTING PROCEDURES**

Warn everybody of potential hazards and evacuate if necessary. Use supplied air respirator if product is involved in a fire. Avoid breathing fire vapours. Ventilate closed spaces before entering them.

**SPECIFIC HAZARDS**

Dust may form an explosive mixture in the atmosphere. Lower explosive limit: ca 15% (in air). By fire, toxic gases may be formed (COx, NOx).

**6 ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS**

Use protective gloves, goggles and suitable protective clothing. Do not smoke, use naked flames or other sources of ignition. Provide adequate ventilation.

**ENVIRONMENTAL PRECAUTIONS**

Do not allow to enter drains, sewers or watercourses.

**SPILL CLEAN UP METHODS**

Avoid generation and spreading of dust. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container. Use explosion-proof electrical equipment. Wash contaminated area with water. For waste disposal, see section 13.

**7 HANDLING AND STORAGE**

**USAGE PRECAUTIONS**

Observe good industrial hygiene practices. Keep away from heat, sparks and open flame. Do not eat, drink or smoke when using the product. Avoid handling which leads to dust formation. Avoid inhalation of dust and contact with skin and eyes.

**STORAGE PRECAUTIONS**

Store in tightly closed original container in a dry, cool and well-ventilated place. Store away from Oxidising material. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

**STD**

General dust recommended limits (UK): 10 mg/m3 (8-hour TWA) total inhalable dust or 4 mg/m3 (8-hour TWA) total respirable dust.

**ENGINEERING MEASURES**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded.

**HAND PROTECTION**

Protective gloves are recommended.

**EYE PROTECTION**

Wear dust resistant safety goggles where there is danger of eye contact.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Powder, dust		
COLOUR	Black Blue Red Yellow		
ODOUR	Odourless		
SOLUBILITY	Insoluble in water		
BOILING POINT (°C)	NA	MELTING POINT (°C)	ca 110
RELATIVE DENSITY	1.15	BULK DENSITY	ND
VAPOUR PRESSURE	NA	pH-VALUE, DILUTED SOLUTION	NA
FLASH POINT (°C)	NA	AUTO IGNITION TEMPERATURE (°C)	NA
PARTITION COEFFICIENT (N-Octanol/Water)	NA		

**10 STABILITY AND REACTIVITY**

**STABILITY**

Stable under normal temperature conditions and recommended use.

**CONDITIONS TO AVOID**

Stable at least up to ca 200 °C. Avoid heat, flames and other sources of ignition.

**HAZARDOUS POLYMERISATION**

Will not polymerise.

**MATERIALS TO AVOID**

Strong oxidising substances. Strong reducing agents.

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HAZARDOUS DECOMPOSITION PRODUCTS

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

**11 TOXICOLOGICAL INFORMATION**

GENERAL INFORMATION

Mutagenicity, the induction of inheritable genetic damage (Ames Test): negative. Carcinogenicity: None.

INHALATION

Dust may irritate respiratory system or lungs.

INGESTION

No harmful effects expected in amounts likely to be ingested by accident.

SKIN CONTACT

Powder may irritate skin.

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): 0%.

BIOACCUMULATION

No data available on bioaccumulation.

DEGRADABILITY

There are no data on the degradability of this product.

WATER HAZARD CLASSIFICATION

N/A

**13 DISPOSAL CONSIDERATIONS**

GENERAL INFORMATION

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

DISPOSAL METHODS

Powder to be collected, sealed tightly in bags and disposed on approved landfills. Incineration by an approved method could be considered.

WASTE CLASS

List of Wastes (ref: Decision 2000/532/EC): 08 03 18.

**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

NC Not classified.

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.

