



SAFETY DATA SHEET

27.664: Pelikan black / cyan / magenta / yellow toners for Lexmark C500

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

PRODUCT NAME	27.664: Pelikan black / cyan / magenta / yellow toners for Lexmark C500		
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	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.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
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%	-
METALLIC COMPLEX			1-5%	Xi;R36/37/38. N;R50/53.
METAL-ORGANIC COMPLEX	403-360-0	42405-40-3	1-5%	F;R11 Xn;R22 N;R50/53
POLYESTER RESIN (confidential CAS Number)			60-100%	-
POLYPROPYLENE WAX		9003-07-0	1-5%	-
RED PIGMENT (magenta toner only)	269-389-4	68227-78-1	1-5%	-
SILICA (mixture)			1-5%	-
YELLOW PIGMENT (yellow toner only)	271-176-6	68516-73-4	1-5%	-

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

COMPOSITION COMMENTS

This toner 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

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).

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

27.664: Pelikan black / cyan / magenta / yellow toners for Lexmark C500**EXTINGUISHING MEDIA**

Fire can be extinguished using: Carbon dioxide (CO₂). Water spray, fog or mist. Foam.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours.

UNUSUAL FIRE & EXPLOSION HAZARDS

Combustible solid.

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 (CO_x, NO_x).

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.

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. 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.

STORAGE PRECAUTIONS

Store in closed original container at temperatures between 0°C and 40°C. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
CARBON BLACK (black toner only)	WEL		3.5 mg/m ³		7.0 mg/m ³	

WEL = Workplace Exposure Limit.

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.

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	Slight odour		
SOLUBILITY	Insoluble in water		
MELTING POINT (°C)	120	BULK DENSITY	1000-1700 kg/m ³
VAPOUR PRESSURE	NA	pH-VALUE, DILUTED SOLUTION	NA
AUTO IGNITION TEMPERATURE (°C)	> 360		

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions and recommended use. Stable at least up to ca 200 °C.

HAZARDOUS DECOMPOSITION PRODUCTS

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

27.664: Pelikan black / cyan / magenta / yellow toners for Lexmark C500**11 TOXICOLOGICAL INFORMATION****GENERAL INFORMATION**

Mutagenicity, the induction of inheritable genetic damage (Ames Test): negative.

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%.

WATER HAZARD CLASSIFICATION

N/A

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

Waste is classified as hazardous waste. Disposal should be in accordance with local, state or national legislation.

DISPOSAL METHODS

Recover and reclaim or recycle, if practical. Contact supplier for disposal information. Incineration by an approved method could be considered.

WASTE CLASS

List of Wastes (ref: Decision 2000/532/EC): 08 03 17*. Properties of wastes which render them hazardous (ref: Dir 91/689/EEC Ann III): H14.

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.

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.

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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

Changes to Section(s): 13 16

REVISION DATE B / 10.12.09

SDS NO. 27.664

RISK PHRASES IN FULL

NC	Not classified.
R11	Highly flammable.
R22	Harmful if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.