

**Pelikan Hardcopy Production AG**  
**8620 Wetzikon**

Date printed 07.10.2014, Revision 07.10.2014

Version 01

Page 1 / 7

## SECTION 1: Identification of the substance / preparation and of the company

### 1.1 Product identifier

**26-851**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1 Relevant uses

Toner

#### 1.2.2 Uses advised against

None known.

### 1.3 Details of the supplier of the safety data sheet

**Company** Pelikan Hardcopy Production AG  
Haldenstrasse 28  
8620 Wetzikon / SWITZERLAND  
Phone +41 (0) 44 9861-299

#### Address enquiries to

#### Technical information

**Safety Data Sheet** sdb@chemiebuero.de

### 1.4 Emergency phone

**Company** +41 (0) 44 9861-299 Mo-Fr 8:00-17:00

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### 2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

No classification.

#### 2.1.2 Classification according to Directive 67/548/EEC or 1999/45/EC

No classification.

### 2.2 Label elements

#### Labelling according to Regulation (EC) 1272/2008

#### Hazard pictograms

**Hazard statements** none

### 2.3 Other hazards

**Physico-chemical hazards** Accumulation of fine dust may entail the risk of a dust explosion in the presence of air (only in circumstances of an uncontrolled release of dust from the product).

**Human health dangers** No particular hazards known.

**Environmental hazards** Does not contain any PBT or vPvB substances.

**Other hazards** Further hazards were not determined with the current level of knowledge.

## SECTION 3: Composition / Information on ingredients

#### Product-type:

The product is a mixture.

#### Comment on component parts

No dangerous components.  
Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.

**Pelikan Hardcopy Production AG**

8620 Wetzikon

Date printed 07.10.2014, Revision 07.10.2014

Version 01

Page 2 / 7

**SECTION 4: First aid measures****4.1 Description of first aid measures**

<b>General information</b>	Change powdered clothing.
<b>Inhalation</b>	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
<b>Skin contact</b>	When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	In the event of symptoms seek for medical treatment. Rinse out mouth and give plenty of water to drink.

**4.2 Most important symptoms and effects, both acute and delayed**

None known.

**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Fire-fighting measures****5.1 Extinguishing media**

**Suitable extinguishing media** Foam.  
Water spray jet.  
Dry powder.  
Carbon dioxide.

**Extinguishing media that must not be used** Full water jet

**5.2 Special hazards arising from the substance or mixture**

Risk of formation of toxic pyrolysis products.

**5.3 Advice for firefighters**

Use self-contained breathing apparatus.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation.  
Avoid dust formation.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

**6.3 Methods and material for containment and cleaning up**

Take up mechanically.  
Avoid raising dust.  
Dispose of absorbed material in accordance within the regulations.

**6.4 Reference to other sections**

See SECTION 8+13

**Pelikan Hardcopy Production AG**

8620 Wetzikon

Date printed 07.10.2014, Revision 07.10.2014

Version 01

Page 3 / 7

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Avoid the formation and deposition of dust.

Provide vacuuming if dust raised.

Dust can form an explosive mixture with air (only in circumstances of an uncontrolled release of dust from the product)

Keep away from all sources of ignition.

Wash hands before breaks and after work.

Use barrier skin cream.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep only in original container.

Prevent penetration into the ground.

Do not store together with oxidizing agents.

Do not store together with food and animal food/diet.

Store in a dry place.

**7.3 Specific end use(s)**

See product use, SECTION 1.2

**SECTION 8: Exposure controls / personal protection****8.1 Control parameters****Ingredients with occupational exposure limits to be monitored (GB)**

Range [%]	Substance
1 - 3	Silicon dioxide
	CAS: 112945-52-5, EINECS/ELINCS: 231-545-4
	Long-term exposure: 6 mg/m <sup>3</sup> , total inhalable dust
0,5 - 2	FUMED SILICA 8157-7
	CAS: 844491-94-7, EINECS/ELINCS: 430-570-1
	Long-term exposure: 6 mg/m <sup>3</sup> , inhalable dust

**8.2 Exposure controls****Additional advice on system design** Ensure adequate ventilation on workstation.**Eye protection** Safety glasses.**Hand protection** butyl rubber, > 120 min (EN 374)  
The details concerned are recommendations. Please contact the glove supplier for further information.**Skin protection** light protective clothing**Other** Avoid contact with eyes and skin.  
Do not inhale dust.**Respiratory protection** Breathing apparatus in the event of high concentrations.  
short term: filter apparatus, filter P1**Thermal hazards** none**Delimitation and monitoring of the environmental exposition** See SECTION 6+7.

**Pelikan Hardcopy Production AG**  
**8620 Wetzikon**

Date printed 07.10.2014, Revision 07.10.2014

Version 01

Page 4 / 7

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Form	Powder
Color	blue
Odor	odourless
Odour threshold	not applicable
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	not applicable
Flash point [°C]	not applicable
Flammability [°C]	not applicable
Lower explosion limit	60 - 65 g/m <sup>3</sup>
Upper explosion limit	not determined
Oxidizing properties	no
Vapour pressure/gas pressure [kPa]	not applicable
Density [g/ml]	1,15
Bulk density [kg/m <sup>3</sup> ]	not determined
Solubility in water	virtually insoluble
Partition coefficient [n-octanol/water]	not determined
Viscosity	not applicable
Relative vapour density determined in air	not applicable
Evaporation speed	not applicable
Melting point [°C]	110
Autoignition temperature [°C]	not determined
Decomposition temperature [°C]	not determined

**9.2 Other information**

none

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No dangerous reactions known if used as directed.

**10.2 Chemical stability**

Stable under normal ambient conditions (ambient temperature).

**10.3 Possibility of hazardous reactions**

Accumulation of fine dust may entail the risk of a dust explosion in the presence of air (only in circumstances of an uncontrolled release of dust from the product).  
Reactions with oxidizing agents.

**10.4 Conditions to avoid**

See SECTION 7.2.

**10.5 Incompatible materials**

Oxidizing agent

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**Pelikan Hardcopy Production AG**  
**8620 Wetzikon**

Date printed 07.10.2014, Revision 07.10.2014

Version 01

Page 5 / 7

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

<b>Serious eye damage/irritation</b>	not determined
<b>Skin corrosion/irritation</b>	not determined
<b>Respiratory or skin sensitisation</b>	not determined
<b>Specific target organ toxicity — single exposure</b>	not determined
<b>Specific target organ toxicity — repeated exposure</b>	not determined
<b>Mutagenicity</b>	Ames-test: negative.
<b>Reproduction toxicity</b>	not determined
<b>Carcinogenicity</b>	not determined
<b>General remarks</b>	

No classification on the basis of the calculation procedure of the preparation directive.  
Toxicological data of complete product are not available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**12.2 Persistence and degradability**

**Behaviour in environment compartments**

**Behaviour in sewage plant** not determined

**Biological degradability** not determined

**12.3 Bioaccumulative potential**

Accumulation in organisms is not expected.

**12.4 Mobility in soil**

not determined

**12.5 Results of PBT and vPvB assessment**

Based on all available information not to be classified as PBT or vPvB respectively.

**12.6 Other adverse effects**

No classification on the basis of the calculation procedure of the preparation directive.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

**Product**

Coordinate disposal with the authorities if necessary.  
For recycling, consult manufacturer.

**Waste no. (recommended)** 080318

**Contaminated packaging**

Uncontaminated packaging may be taken for recycling.

**Waste no. (recommended)** 150102

**Pelikan Hardcopy Production AG**  
**8620 Wetzikon**

Date printed 07.10.2014, Revision 07.10.2014

Version 01

Page 6 / 7

**SECTION 14: Transport information**

**14.1 UN number**

See SECTION 14.2 in accordance with UN shipping name

**14.2 UN proper shipping name**

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

**14.3 Transport hazard class(es)**

See SECTION 14.2 in accordance with UN shipping name

**14.4 Packing group**

See SECTION 14.2 in accordance with UN shipping name

**14.5 Environmental hazards**

See SECTION 14.2 in accordance with UN shipping name

**14.6 Special precautions for user**

Relevant information under SECTION 6 to 8.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

not applicable

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

EEC-REGULATIONS 1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC

TRANSPORT-REGULATIONS DOT-Classification, ADR (2013); IMDG-Code (2013, 36. Amdt.); IATA-DGR (2013).

NATIONAL REGULATIONS (GB): EH40/2005 Workplace exposure limits (Second edition, published December 2011).  
CHIP 3/ CHIP 4

- Observe employment restrictions for people no

- VOC (1999/13/CE) 0 %

**15.2 Chemical safety assessment**

not applicable

**Pelikan Hardcopy Production AG****8620 Wetzikon**

Date printed 07.10.2014, Revision 07.10.2014

Version 01

Page 7 / 7

**SECTION 16: Other information****16.1 Abbreviations and acronyms:**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
 CAS = Chemical Abstracts Service  
 CLP = Classification, Labelling and Packaging  
 DMEL = Derived Minimum Effect Level  
 DNEL = Derived No Effect Level  
 EC50 = Median effective concentration  
 ECB = European Chemicals Bureau  
 EEC = European Economic Community  
 EINECS = European Inventory of Existing Commercial Chemical Substances  
 ELINCS = European List of Notified Chemical Substances  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
 IC50 = Inhibition concentration, 50%  
 IMDG = International Maritime Code for Dangerous Goods  
 IUCLID = International Uniform Chemical Information Database  
 LC50 = Lethal concentration, 50%  
 LD50 = Median lethal dose  
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
 PBT = Persistent, Bioaccumulative and Toxic substance  
 PNEC = Predicted No-Effect Concentration  
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
 TLV@/TWA = Threshold limit value – time-weighted average  
 TLV@STEL = Threshold limit value – short-time exposure limit  
 VOC = Volatile Organic Compounds  
 vPvB = very Persistent and very Bioaccumulative

**16.2 Other information****Classification procedure****Modified position**

none



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