

21874-XXXX



PRODUCTOS PELIKAN, S.A. DE C.V.

# Material Safety Data Sheet

According 91 / 155 / EC

## 1. PRODUCT NAME AND SUPPLIER

**Material Trade Name:** TECHNOLINER 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8  
**Material description:** High precision drawing instrument in Black and Blue color.  
**Recommended use:** Marker for use over paper.  
**Manufacturer:** PRODUCTOS PELIKAN S.A. DE C.V.  
**Address:** Carretera a Tehuacán No. 1033 Col. Maravillas C.P. 72220 Puebla, México  
**Telephone:** 52 (222) 309-8000 Fax: 52 (222) 309-8046

## 2. CHEMICAL COMPOSITION

**Chemical nature:**  
**Hazardous ingredients:** Ink content  
 Mixture based on water, glycols and pigments.  
 Ethylene Glycol Weight: 20 - 25%  
 (CAS#107-21-1, R22, 36 / S26, 36, 37, 39, 45, 53)  
 Propylene Glycol Weight: 1 - 4%  
 (CAS#57-55-6, R36, 38 / S26, 36)

Weight percentage depending on color.

## 3. POSSIBLE HAZARDS

**Not if used intended purpose**  
**Classification of the product:** Non flammable  
**Environmental effects:** Contains hazardous substances(s) for the environment.  
**Physical and chemical hazards:**  
**-Fire or explosion:** Non-Flammable Waterbased

PRODUCTOS PELIKAN, S.A. DE C.V.  
 Carretera a Tehuacán No. 1033  
 Col. Maravillas, C.P. 72220  
 Puebla, Pue. - México  
 Apartado Postal No. 1358  
 C.P. 72000 Puebla, Pue. - México

Tel: (222) 282 - 6230  
 Fax: (222) 282 - 6520 (General)  
 (222) 282 - 6198 (Compras)  
 (222) 282 - 6229 (Producción)  
 Servicio a clientes: (55) 5545 - 9911  
 01800 - 713 - 7274 (Desde el interior)

Fax: (55) 5545 - 9929  
 e-mail: [buzon@pelikan.com](mailto:buzon@pelikan.com)  
 visit@nos! [www.pelikan.com](http://www.pelikan.com)

1



PRODUCTOS PELIKAN, S.A. DE C.V.

- Burning and thermal decomposition may form toxic by products (Ink only)
- **Clasificación de the product:** According to European regulations, this product is classified as: IRRITANT
- **Further information:** In a usual writing situation, quantities of ink laid down or vapors emitted by the pen are normally too small to occasion significant exposure and cause effects on the user's health.

#### 4. FIRST AID MEASURES

Routes of Exposure: Eyes [ ]      Skin [ X ]      Inhalation [ X ]      Ingestion [ X ]

Emergency and First Aid Procedures:

Ingestion: Seek medical advice, ingestion of plastic parts may cause asphyxia      Skin: Ink spots wash with soap and water

Eyes: N.A.      Inhalation: Move to the affected person into the fresh air.

After inhalation: N.A.

After skin- or eye - contact: N.A.

After ingestion: Rinse the mouth with water, seek medical advice

#### 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide (CO<sub>2</sub>), foam.  
 Suitable for all regular extinguishing material  
 Extinguishing media which must not be used for safety reason:  
 None  
 Special exposure hazards arising from the product itself, from combustion products or from resulting gases: None  
 Special protective equipment for firefighters:  
 No special measures necessary

#### 6. MEASURES FOR ACCIDENTAL SPILLAGE

Steps to be taken in case material is released or wringed: Retrieve with absorbent material.  
 Waste Disposal: wash with soap and water.  
 Voluminous amounts: N.A.

PRODUCTOS PELIKAN, S.A. DE C.V.  
 Carretera a Tehuacán No. 1033  
 Col. Maravillas, C.P. 72220  
 Puebla, Pue. - México  
 Apartado Postal No. 1358  
 C.P. 72000 Puebla, Pue. - México

Tel: (222) 282 - 6230  
 Fax: (222) 282 - 6520 (General)  
 (222) 282 - 6198 (Compras)  
 (222) 282 - 6229 (Producción)  
 Servicio a clientes: (55) 5545 - 9931  
 01800 - 713 - 7274 (Desde el interior)

Fax: (55) 5545 - 9929  
 e-mail: [buzon@pelikan.com](mailto:buzon@pelikan.com)  
[visita@nosit.www.pelikan.co](mailto:visita@nosit.www.pelikan.co)



PRODUCTOS PELIKAN, S.A. DE C.V.

**7. HANDLING AND STORAGE**

None

**8. LIMITS OF EXPOSITION AND PROTECTIVE CLOTHING**

Additional remarks relating technical equipments:	None
Ingredients with limits to be controlled at the place of work:	None
General measures of protection and hygiene:	None
Ventilation:	None Required
Eye Protection:	None Required
Skin Protection:	None Required
Respiratory Protection:	None Required
Other Protection:	None Required

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Marker with plastic barrel and cap in blue color, plastic plug and insert in the Ink color, plastic nib with metal holder, polyester reservoir for Ink and water based Ink.
Odor:	Low odor.
Boiling Point:	N.A.
Flammable Limits:	N.A.
Water Solubility:	Ink is soluble
Materials:	Plug, cap, insert and barrel in Polypropylene
Printing film:	Silver foil for logo, bar code and width identification.

**10. STABILITY AND REACTIVITY**

Stability:	Material is stable.
Conditions to Avoid:	N.A.
Incompatible Materials:	N.A.
Hazardous Decomposition:	On combustion of the ink or on thermal decomposition (pyrolysis) releases: Carbon oxides (CO, CO <sub>2</sub> )

**11. DECLARATIONS TO TOXICOLOGY**

Ingestion:	No test data available
------------	------------------------

PRODUCTOS PELIKAN, S.A. DE C.V.  
 Carretera a Tehuacán No. 1033  
 Col. Maravillas, C.P. 72220  
 Puebla, Pue. - México  
 Apartado Postal No. 1358  
 C.P. 72000 Puebla, Pue. - Méxicc

Tel: (222) 282 - 6230  
 Fax: (222) 282 - 6520 (General)  
 (222) 282 - 6198 (Compras)  
 (222) 282 - 6229 (Producción)  
 Servicio a clientes: (55) 5545 - 9911  
 01800 - 713 - 7274 (Desde el interior)

Fax: (55) 5545 - 9929  
 e-mail: [buzon@pelikan.com](mailto:buzon@pelikan.com)  
 Visit [nosf www.pelikan.com](http://www.pelikan.com)



PRODUCTOS PELIKAN, S.A. DE C.V.

Ink materials:

Ethylene Glycol	Harmful if swallowed. May be harmful if inhaled or in contact with the skin. Skin and respiratory irritant. Severe eye irritant. Typical OEL 10 - 25 ppm. Reproductive hazard.. <b>Toxicity data</b> ORL-HMN LDLO 786 mg kg-1 ORL-RAT LD50 4700 mg kg-1 IPR-MUS LD50 5614 mg kg-1
Propylene Glycol	May be harmful by ingestion, inhalation or through skin contact. May cause skin or eye irritation.. <b>Toxicity data</b> ORL-RAT LD50 20000 mg kg-1 IPR-RAT LD50 6660 mg kg-1 IMS-RAT LD50 14000 mg kg-1 IVN-RBT LDLO 4200 mg kg-1

## 12. REMARKS ON ECOLOGY

No test data available  
Ingredients are not biologically decomposable

## 13. DISPOSAL

Extensive amounts according local regulations  
Small residues domestically waste

## 14. REGULATIONS FOR TRANSPORT

No dangerous good	Packing group: N.A.
Class: N.A.	Number: N.A.
Marine Pollutant: No	Precautions to be taken in Handling: NA
Other Precautions: None Required	
Precautions to be taken in Storage: Keep in fresh and dry area. Be careful with contamination for other liquids	

## 15. REGULATIONS

Ink content hazardous ingredients:

PRODUCTOS PELIKAN, S.A. DE C.V.  
Carretera a Tehuacán No. 1033  
Col. Maravillas, C.P. 72220  
Puebla, Pue. - México  
Apartado Postal No. 1358  
C.P. 72000 Puebla, Pue. - México

Tel: (222) 282 - 6230  
Fax: (222) 282 - 6520 (General)  
(222) 282 - 6198 (Compras)  
(222) 282 - 6229 (Producción)  
Servicio a clientes: (55) 5545 - 9911  
01800 - 713 - 7274 (Desde el interior)

Fax: (55) 5545 - 9929  
e-mail: [buzon@pelikan.com](mailto:buzon@pelikan.com)  
[ivisit@nos1www.pelikan.com](mailto:ivisit@nos1www.pelikan.com)

4



PRODUCTOS PELIKAN, S.A. DE C.V.

Ethylene Glycol:

R22	Harmful if swallowed
R36	Irritating to eyes
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36	Wear suitable protective clothing.
S37	Wear suitable gloves.
S39	Wear eye / face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible.)
S53	Avoid exposure - obtain special instructions before use.

Propylene Glycol:

R36	Irritating to eyes
R38	Irritating to skin
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36	Wear suitable protective clothing.

16. FURTHER INFORMATION:

The specifications are supplied to the best of knowledge.

No claims may be derive from this data sheet.

Restriction of use: This product must not be used for other applications than mentioned in Feature #1.

Prepared by: E. Del Valle R&D Manager Date: February 18, 2008

Authorized by: J. L. Hernández Technical Director

PRODUCTOS PELIKAN S.A. de C.V. Phone: 52 (222)309-8000 Fax: 52 (222)309-8046

Carretera a Tehuacán 1033 C.P. 72220 Puebla, México

**ADDITIONAL NOTES OR REFERENCES**

Note: N.A. - Not Applicable Information.

While Productos Pelikan S.A. de C.V. believes the information contained herein to be true and accurate, it has relied on information provided by others. Productos Pelikan S.A. de C.V. makes no warranties, express or implied, as to the accuracy of the information contained herein or with respect to the results to be obtained from the use of the product. Productos Pelikan S.A. de C.V. disclaims all liability with respect to the use of this product, including without limitation, liability for injury to the user or third persons.

PRODUCTOS PELIKAN, S.A. DE C.V.  
Carretera a Tehuacán No. 1033  
Col. Maravillas, C.P. 72220  
Puebla, Pue. - México  
Apartado Postal No. 1358  
C.P. 72000 Puebla, Pue. - México

Tel: (222) 282 - 6230  
Fax: (222) 282 - 6520 (General)  
(222) 282 - 6198 (Compras)  
(222) 282 - 6229 (Producción)  
Servicio a clientes: (55) 5545 - 9911  
01800 - 713 - 7274 (Desde el interior)

Fax: (55) 5545 - 9929  
e-mail: [buzon@pelikan.com](mailto:buzon@pelikan.com)  
[visit@nos1www.pelikan.com](mailto:visit@nos1www.pelikan.com)