

## Safety Data Sheet (SDS)

Preparation Date 2013/11/21

## Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	Energel Pens and Refills
Product Code	Pens= BLN75, BLN77, BLN105, BL77, BL57, BL60, BL107, BL110, BL407, BLN25, BL27, BL30
Company Name	PENTEL CO., LTD.
Address	7-2,KOAMICHO,NIHONBASHI,CHUO-KU,TOKYO
Company Contact	QUALITY ASSURANCE DEPARTMENT I
Phone Number	048-928-6668
Emergency Phone Number	048-928-6668
Fax Number	048-928-9190
Mail Address	hinpo@pentel.co.jp
Recommended Use and Restriction on Use	Ink used in Pentel Pens and Refills  Refills= LRN5, LRN7, LR7, LR10,

## Section 2 – HAZARDS IDENTIFICATION

## GHS Classification

Health Hazards	Acute toxicity – inhalation(gas) Category 4 Serious eye damage/eye irritation Category 2B Sensitization – respiratory Category 1 Reproductive toxicity Category 2 Specific target organ toxicity(single exposure) Category 2(respiratory apparatus,heart,kidney,central nervous system) Specific target organ toxicity(repeated exposure) Category 2(central nervous system,liver,respiratory apparatus,heart,kidney)
Environmental Hazards	Acute hazards to the aquatic environment Category 2 Chronic hazards to the aquatic environment Category 2 Other hazards than mentioned above are Not applicable or No data available.

GHS Label Elements  
Symbols

Signal Word	Danger
Hazard Statements	H320 Causes eye irritation H332 Harmful if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H361 Suspected of damaging fertility or the unborn child H371 May cause damage to respiratory apparatus,heart,kidney,central nervous system. H373 May cause damage to liver,respiratory apparatus,heart,kidney,central nervous system through prolonged or repeated exposure. H401 Toxic to aquatic life H411 Toxic to aquatic life with long lasting effects

Precautional  
Statements  
Prevention  
Precautionary  
Statements

Obtain special instructions before use.(P201)

Do not handle until all safety precautions have been read and understood.(P202)  
Do not breathe mist, vapours and spray.(P260)  
Avoid breathing gas.(P261)  
Wash hands thoroughly after handling.(P264)

Response Precautionary Statements	Wash eye thoroughly after handling.(P264) Do not eat, drink or smoke when using this product.(P270) Use only outdoors or in a well-ventilated area.(P271) Avoid release to the environment.(P273) Use personal protective equipment as required.(P281) In case of inadequate ventilation wear respiratory protection.(P285) IF INHALED: Call a doctor if you feel unwell.(P304+P312)
	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.(P304+P341) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305+P351+P338) IF exposed or if you feel unwell: Call a doctor.(P309+P311) Get medical advice and attention if you feel unwell.(P314) If eye irritation persists: Get medical advice and attention.(P337+P313) If experiencing respiratory symptoms: Call a doctor.(P342+P311) Collect spillage.(P391) Store locked up.(P405)
Storage Precautionary Statements	
Disposal Precautionary Statements	Dispose of contents and container in accordance with local, regional and national regulations (to be specified).(P501)

## Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance  
or Mixture

mixture

Chemical Name or Generic Name	Concentration or Its Ranges	Formula	ENCs No./ISHL No.		CAS RN
			ENCs No.	ISHL No.	
Glycerin	11.5%	CH <sub>2</sub> OHCH (OH)C H <sub>2</sub> OH	(2)– 242,(7)– 338	Existing	56–81–5
Ethylene glycol	9.7%	HOCH <sub>2</sub> CH 2OH	(2)–230	Existing	107–21–1
Diethylene glycol	7.3%	HOCH <sub>2</sub> CH 2OCH <sub>2</sub> C H <sub>2</sub> OH	(2)– 415,(2)– 2979	Existing	111–46–6
Ammonia	0.3%		(1)–391	Existing	7664–41–7
Triethanolamine	0.3%	N(CH <sub>2</sub> CH <sub>2</sub> OH) <sub>3</sub>	(2)–308	Existing	102–71–6

Impurities and/or Stabilizing Additives  
which Contribute to the Classification

No information available

## Section 4 – FIRST AID MEASURES

Inhalation

If breathing is difficult, move affected person to the open air. Keep him or her at rest to allow easier breathing.  
Get medical advice and attention if you feel unwell.

Skin Contact

Wash with soap and plenty of water.  
If skin irritation or rash occurs: Get medical advice and attention.

Eye Contact

Wash eyes carefully for several minutes with water. Take off contact lenses if easily removed, and continue to wash eyes afterwards.  
When the ocular stimulation lasts, Seek medical treatment and advice.

Ingestion

Rinse a mouth. Don't make vomit by force.  
Get medical advice and attention if you feel unwell.

## Section 5 – FIRE FIGHTING MEASURES

Extinguishing Media

Carbon dioxide, dry chemicals, water sprinkling,  
and general foam extinguishing agents

## Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions,  
Protective Equipment and  
Emergency Procedures  
Environmental  
Precautions

No information available

Decontamination/Absorption/  
Sweeping/Vacuuming/  
Neutralization

Pay attention not to cause the influence on the  
environment by discharging into rivers.  
This product is water pollutant. Prevent soil  
contamination, or the product from flowing into the  
drain systems.

Collect the material into a disposal container by  
sucking up or sweeping up.

Methods and Equipment  
for Containment and  
Cleaning up  
Prevention Measures for  
Secondary Accidents

Absorb spills with inert materials (such as dry sand  
or soil) and collect them into chemical-waste  
disposal container.

Cleansing the contaminated area thoroughly with  
water after removal.

Prevent flowing into drain, sewage, basement, and  
closed area.

Remove thoroughly since the smooth and slippery  
surface will be formed on the floor.

## Section 7 – HANDLING AND STORAGE

Handling

Technical Measures

Provide ventilation system and Use necessary  
personal protective equipment as described in "8.  
EXPOSURE CONTROLS AND PERSONAL

Local and General  
Ventilation

Provide local ventilations and a full ventilation  
system as described in "8. EXPOSURE  
CONTROLS AND PERSONAL PROTECTION."

Precautions for Safe  
Handling

Avoid the contact with eyes.

Wash hands thoroughly after handling.

Avoid swallowing

Avoid high temperature and direct sunlight.

Prevents Handling of  
Incompatible  
Substances or  
Mixtures

Refer to "10. STABILITY AND REACTIVITY"

Storage Precautionary  
Statements

Technical Measures

The storage facility should be provided with  
necessary lighting, lighting equipment, and  
ventilator to store and handle dangerous goods.

Incompatible  
Substances or  
Mixtures

Refer to "10. STABILITY AND REACTIVITY"

Storage Conditions

Have containers keep away from direct sunlight  
and heat.

Keep away from heat.

Store locked up.

Material Used in  
Packaging/Containers

Packaging materials and containers are not  
legislated, but use sturdy and closed-type  
containers.

## Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

A general proper ventilation is enough to control  
concentration in air.

Personal Protective  
Equipment

Respiratory  
Protection

No information available

Eye Protection

Use an adequate personal eye protector.  
Goggles (ordinary glass type, ordinary glass type  
with side shields, and goggle type)

Specific Hygiene Measures

Wash hands thoroughly after handling.

**Section 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Physical State	liquid (viscous liquid)
	Colour	Black, Red, Blue, Green, Violet, Orange, Pink, Sky Blue, Green
	Odour	slight odor
	pH	No data available
Initial Boiling Point and Boiling Ranges		No information available
Flash Point		no data available
Auto-Ignition		No information available

**Section 10 – STABILITY AND REACTIVITY**

Stability	The material is stable under storage and handling conditions comprised with the regulations.
Possibility of Hazardous Reaction	No data available
Conditions to Avoid	No data available
Hazardous Decomposition Products	No data available

**Section 11 – TOXICOLOGICAL INFORMATION**

Acute Toxicity	No information available
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**Section 12 – ECOLOGICAL INFORMATION**

Environmental Hazards	No information available
Ecotoxicity	No information available

**Section 13 – DISPOSAL CONSIDERATIONS**

Residual Waste	For disposal, conform with the standards provided by related laws and local public bodies. Commission the authorized waste disposal company, or a local public body who conducts the disposal, to dispose of the material.
Contaminated Container and Packaging	Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.

**Section 14 – TRANSPORT INFORMATION**

International Regulations	Regulatory Information by Sea	Not applicable
	UN No.	Not applicable
	Marine Pollutant	Not applicable
	Regulatory Information by Air	Not applicable
	UN No.	Not applicable
Regulations in Japan	Regulatory Information by Road or Rail	Not applicable
	Regulatory Information by Sea	Not applicable
	UN No.	Not applicable
	Marine Pollutant	Not applicable
	Regulatory Information by Air	Not applicable
	UN No.	Not applicable

**Section 15 – REGULATORY INFORMATION**

Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

**Section 16 – OTHER INFORMATION**

Information Contact	No information available
Other Property	This information is furnished without warranty express or implied. This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes legal responsibility for use of or reliance upon this information.