

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

Dispose of contents and container in accordance with local, regional and national regulations (to be specified).(P501)

Disposal
Precautionary
Statements

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%	CH2OHCH(OH)C H2OH	(2)- 242,(7)- 338	Existing	56-81-5
Ethylene glycol	9.7%	HOCH2CH 2OH	(2)-230	Existing	107-21-1
Diethylene glycol	7.3%	HOCH2CH 2OCH2C H2OH	(2)- 415,(2)- 2979	Existing	111-46-6
Ammonia	0.3%		(1)-391	Existing	7664-41-7
Triethanolamine	0.3%	N(CH2CH2 OH)3	(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 leagal responsibility for use of or reliance upon this information.