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PENTEL CO., LTD., 2, 2011/11/18, 1/5

Safety Data Sheet (SDS)

Preparation Date 2011/08/11

Revision Date 2011/11/18

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	Pentel Sign Pen
Product Code	S520
Company Name	TD.
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
	S520 SES15

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

Health Hazards	Serious eye damage/eye irritation Category 2B Specific target organ toxicity(single exposure) Category 1(respiratory apparatus,heart,kidney,central nervous system) Specific target organ toxicity(repeated exposure) Category 1(central nervous system,respiratory apparatus,heart) Other hazards than mentioned above are Not applicable or No data available.
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GHS Label Elements
Symbols

Signal Word	Danger
Hazard Statements	H320 Causes eye irritation H370 Causes damage to respiratory apparatus,heart,kidney,central nervous system. H372 Causes damage to respiratory apparatus,heart,central nervous system through prolonged or repeated exposure.
Precautional Statements	
Prevention	Do not breathe mist, vapours and spray.(P260)
Precautionary Statements	Wash hands thoroughly after handling.(P264) Wash eye thoroughly after handling.(P264) Do not eat, drink or smoke when using this product.(P270)
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue
Precautionary Statements	rinsing.(P305+P351+P338)

PENTEL CO., LTD., 2, 2011/11/18, 2/5

Storage
 Precautionary
 Statements
 Disposal
 Precautionary
 Statements

If eye irritation persists: Get medical advice and attention.(P337+P313)
 Store locked up.(P405)

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.	
Ethylene glycol	9~28%	HOCH ₂ CH ₂ OH	(2)-230	Existing	107-21-1
Propylene glycol	2.5~10%	HOCH ₂ CH(OH)C H ₃	(2)-234	Existing	57-55-6
Urea	10%	H ₂ NCONH ₂	(2)-1732,(2)-1753	Existing	57-13-6
Ethyleneglycolmonophenyl ether	0.5%		(3)-558,(7)-78,(9)-1277	Existing	122-99-6

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

Pay attention not to cause the influence on the environment by discharging into rivers.

PENTEL CO., LTD., 2, 2011/11/18, 3/5

Decontamination/Absorption/Sweeping/Vacuuming/Neutralization

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. Refer to "10. STABILITY AND REACTIVITY"

Incompatible Substances or Mixtures

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

PENTEL CO., LTD., 2, 2011/11/18, 4/5

	Colour	Black, Red, Blue, Green, Brown, Orange, Yellow, Gray, Pink, Sky Blue, Violet, Yellow Ochre
	Odour	odorless
	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
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
	Proper Shipping Name.	
	Class	
	Marine Pollutant	Not applicable
	Regulatory Information by Air	
	UN No.	Not applicable
	Proper Shipping Name.	
	Class	
Regulations in Japan	Regulatory Information by Road or Rail	Not applicable
	Regulatory Information by Sea	Not applicable
	UN No.	Not applicable
	Proper Shipping Name.	
	Class	

PENTEL CO., LTD., 2, 2011/11/18, 5/5

Marine Pollutant	Not applicable
Regulatory Information by Air	
UN No.	Not applicable
Proper Shipping Name.	
Class	

Emergency Response
Guide Number

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
Other Property

No information available
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.