

22585-XXXX

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.
----------------	---

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	Do not breathe mist, vapours and spray.(P260)
Prevention	Wash hands thoroughly after handling.(P264)
Precautionary Statements	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 rinsing.(P305+P351+P338)
Precautionary Statements	

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 <sub>2</sub> CH <sub>2</sub> OH	(2)-230	Existing	107-21-1
Propylene glycol	2.5~10%	HOCH <sub>2</sub> CH(OH)C H <sub>3</sub>	(2)-234	Existing	57-55-6
Urea	10%	H <sub>2</sub> NCONH <sub>2</sub>	(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

<p>Decontamination/Absorption/Sweeping/Vacuuming/Neutralization</p>	<p>This product is water pollutant. Prevent soil contamination, or the product from flowing into the drain systems.</p> <p>Collect the material into a disposal container by sucking up or sweeping up.</p>
<p>Methods and Equipment for Containment and Cleaning up</p>	<p>Absorb spills with inert materials (such as dry sand or soil) and collect them into chemical-waste disposal container.</p> <p>Cleansing the contaminated area thoroughly with water after removal.</p>
<p>Prevention Measures for Secondary Accidents</p>	<p>Prevent flowing into drain, sewage, basement, and closed area.</p> <p>Remove thoroughly since the smooth and slippery surface will be formed on the floor.</p>

Section 7 – HANDLING AND STORAGE

<p>Handling</p>	<p>Technical Measures Provide ventilation system and Use necessary personal protective equipment as described in "8. EXPOSURE CONTROLS AND PERSONAL PROTECTION."</p> <p>Local and General Ventilation Provide local ventilations and a full ventilation system as described in "8. EXPOSURE CONTROLS AND PERSONAL PROTECTION."</p> <p>Precautions for Safe Handling Avoid the contact with eyes.</p> <p>Wash hands thoroughly after handling.</p> <p>Avoid swallowing</p> <p>Avoid high temperature and direct sunlight.</p> <p>Prevents Handling of Incompatible Substances or Mixtures Refer to "10. STABILITY AND REACTIVITY"</p>
<p>Storage Precautionary Statements</p>	<p>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"</p> <p>Incompatible Substances or Mixtures</p> <p>Storage Conditions Have containers keep away from direct sunlight and heat.</p> <p>Keep away from heat.</p> <p>Store locked up.</p> <p>Material Used in Packaging/Containers Packaging materials and containers are not legislated, but use sturdy and closed-type containers.</p>

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

<p>Engineering Controls</p>	<p>A general proper ventilation is enough to control concentration in air.</p> <p>No information available</p>
<p>Personal Protective Equipment</p>	<p>Respiratory Protection</p> <p>Eye Protection Use an adequate personal eye protector.</p> <p>Goggles (ordinary glass type, ordinary glass type with side shields, and goggle type)</p> <p>Wash hands thoroughly after handling.</p>
<p>Specific Hygiene Measures</p>	

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
<b>Section 10 – STABILITY AND REACTIVITY</b>		
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
<b>Section 11 – TOXICOLOGICAL INFORMATION</b>		
Acute Toxicity		No information available
<b>Section 12 – ECOLOGICAL INFORMATION</b>		
	Environmental Hazards	No information available
Ecotoxicity		No information available
<b>Section 13 – DISPOSAL CONSIDERATIONS</b>		
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.
<b>Section 14 – TRANSPORT INFORMATION</b>		
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.