

00891-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 | |
| 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 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 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

| | |
|--|---|
| <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. Collect the material into a disposal container by sucking up or sweeping up.</p> |
| <p>Methods and Equipment for Containment and Cleaning up Prevention Measures for Secondary Accidents</p> | <p>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.</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. Wash hands thoroughly after handling. Avoid swallowing Avoid high temperature and direct sunlight.</p> |
| <p>Storage Precautionary Statements</p> | <p>Prevents Handling of Incompatible Substances or Mixtures Refer to "10. STABILITY AND REACTIVITY"</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. Keep away from heat. 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>Personal Protective Equipment</p> | <p>Respiratory Protection No information available</p> <p>Eye Protection Use an adequate personal eye protector. Goggles (ordinary glass type, ordinary glass type with side shields, and goggle type) 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 |
| 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.