

## Safety Data Sheet (SDS)

Preparation Date 2013/04/20

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## Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier WDR14-B  
 Product Code WDR14B0001  
 Company Name PENTEL CO., LTD.  
 Address 7-2,KOAMICHO,NIHONBASHI,CHUO-KU,TOKYO  
 Company Contact QUALITY ASSURANCE DEPARTMENT I  
 Phone Number 03-5695-7210  
 Fax Number 03-5645-8204  
 Mail Address hinpo@pentel.co.jp  
 Emergency Phone Number 03-5695-7210  
**Australian Company Pentel Australia Pty Ltd**  
**Address Unit 4, 7-9 Orion Road, Lane Cove NSW 2066**  
**Emergency Phone 02 9425 4800**  
**ABN 72 008 457 725**  
 Recommended Use ink  
 and Restriction on Use

(X)LRN5,(X)LRN7,(X)LRN5H,LSN5H,XLRNT5,(X)LR7,(X)  
 LR10-B

## Section 2 - HAZARDS IDENTIFICATION

## GHS Classification

Health Hazards Acute toxicity (Inhalation: dust and mist) Category 4  
 Skin corrosion/irritation Category 2  
 Serious eye damage/eye irritation Category 1  
 Reproductive toxicity Category 2  
 Specific target organ toxicity (single exposure)  
 Category 2(blood,kidney,central nervous system)  
 Specific target organ toxicity (repeated exposure)  
 Category 2(liver,kidney)  
 Other hazards than mentioned above are Not  
 applicable or Classification not possible.

## GHS Label Elements

## Symbols



Signal Word

Danger

Hazard Statements

H315 Causes skin irritation  
 H318 Causes serious eye damage  
 H332 Harmful if inhaled  
 H361 Suspected of damaging fertility or the unborn  
 child

H371 May cause damage to blood,kidney,central nervous system  
H373 May cause damage to liver,kidney through prolonged or repeated exposure

Precautionary Statements Prevention  
Avoid breathing mist, vapours and spray.(P261)

Precautionary Statements  
Wear protective gloves.(P280)  
Wash hand thoroughly after handling.(P264)  
Wash eye thoroughly after handling.(P264)

Response Precautionary Statements  
IF ON SKIN: Wash with plenty of soap and water.(P302+P352)

If skin irritation or rash occurs, get medical advice and attention.(P333+P313)  
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.(P304+P340)

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 eye irritation persists: Get medical advice and attention.(P337+P313)  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.(P301+P330+P331)

Storage Precautionary Statements  
Store locked up.(P405)

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	8.79%	CH2OHCH(OH)C H2OH	(2)-242	Existing	56-81-5
Ethylene glycol	9.72%	HOCH2CH2 OH	(2)-230	Existing	107-21-1
Diethylene glycol	7.3%	HOCH2CH2 OCH2C H2OH	(2)-415	Existing	111-46-6

Impurities and/or Stabilizing Additives which Contribute to the Classification  
No information available

Section 4 - FIRST AID MEASURES

Inhalation	Remove person to fresh air and keep comfortable for breathing. Get medical advice and attention if you feel unwell.
Skin Contact	Wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice and attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. When the ocular stimulation lasts, Seek medical treatment and advice.
Ingestion	Rinse mouth. Do NOT induce vomiting. Get medical advice and attention if you feel unwell.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media	Dry chemicals, CO2, water spray or regular foam.
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Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	Wear appropriate personal protective equipment (Refer to "Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION") and avoid inhalation or contact with eyes and skin.
Environmental Precautions	Pay attention not to cause the influence on the environment by discharging into rivers. This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.
Methods and Equipment for Containment and Cleaning up	After removal, flush contaminated area thoroughly with water.  Vacuum or sweep up material and place in a disposal container. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.
Prevention Measures for Secondary Accidents	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 "Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION"
	Precautions for Safe Handling	Wash hand thoroughly after handling.  Avoid breathing mist, vapours and spray. Avoid contact with eyes. Avoid swallowing. Protect from high temperature and direct sunlight.

Storage Precautionary Statements	Prevents Handling of Incompatible Substances or Mixtures	Refer to "Section 10 - STABILITY AND REACTIVITY".
	Specific Hygiene Measures	Wash hand thoroughly after handling.
	Conditions for Safe Storage	The storage facility should be provided with necessary lighting, lighting equipment, and ventilator to store and handle dangerous goods. Refer to "Section 10 - STABILITY AND REACTIVITY".  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		Good general ventilation should be sufficient to control airborne levels.
Personal Protective Equipment	Hand Protection	Wear protective gloves.
	Eye Protection	Wear eye protection. Protection glasses (ordinary glasses, ordinary glasses with side shields, and goggles).
	Skin and Body Protection	Use personal protective clothing and face protection as required.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Physical State	liquid
	Form	liquid (viscous liquid)
	Colour	red
Odour		slight odor
Odour threshold		No data available
pH		No data available
Melting Point/Freezing Point		No data available
Initial Boiling Point and Boiling Ranges		No data available
Flash Point		No data available
Evaporation Rate		No data available
Flammability (solid, gas)		No data available
Flammability or Explosive Limits	Lower Limit	No data available
	Upper Limit	No data available
Vapour Pressure		No data available
Vapour Density		No data available
Specific Gravity (Density)		No data available
Partition Coefficient : n-Octanol/Water		No data available

Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Kinematic viscosity	No data available
<b>Section 10 - STABILITY AND REACTIVITY</b>	
Reactivity	No data available
Chemical stability	No data available
Possibility of Hazardous Reaction	No data available
Conditions to Avoid	No data available
Incompatible Substances or Mixtures	No data available
Hazardous Decomposition Products	No data available
<b>Section 11 - TOXICOLOGICAL INFORMATION</b>	
Acute Toxicity	No information available
Skin Corrosion/Irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	No data available
Carcinogenicity	No data available
Reproductive Toxicity	No data available
Specific target organ toxicity (single exposure)	No data available
Specific target organ toxicity (repeated exposure)	No data available
Aspiration Hazard	No data available
<b>Section 12 - ECOLOGICAL INFORMATION</b>	
Hazardous to the aquatic environment (acute)	No data available
Hazardous to the aquatic environment (long-term)	No data available
Hazardous to the ozone layer	No data available
<b>Section 13 - DISPOSAL CONSIDERATIONS</b>	
Residual Waste	For disposal, conform with the standards provided by related laws and local public bodies. Commission a waste disposal company, or a local public body who are licensed by local or regional government. to dispose of the material.

Contaminated Container and Packaging

When commissioning the disposal to a disposal company, notify the danger and toxicity thoroughly to the company.

Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation.

Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.

In case of disposal of empty containers, remove the content thoroughly.

Section 14 - TRANSPORT INFORMATION

International Regulations	Regulatory Information by Sea Marine Pollutant Transport in bulk according to MARPOL 73/78,Annex II ,and the IBC code	Not applicable Not applicable Not applicable
Regulations in Japan	Regulatory Information by Air Regulatory Information by Road or Rail Regulatory Information by Sea Marine Pollutant Transport in bulk according to MARPOL 73/78,Annex II ,and the IBC code	Not applicable Not applicable Not applicable Not applicable Not applicable
Emergency Response Guide Number	Regulatory Information by Air	Not applicable 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  
Other Property

No information available

This information is furnished without warranty express or implied.

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