

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
Recommended Use and Restriction on Use	ink (X)LRN5,LRN5H,LSN5H,XLRNT5,(X)LR7-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.
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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%	CH ₂ OHCH(OH)C H ₂ OH	(2)-242	Existing	56-81-5
Ethylene glycol	9.72%	HOCH ₂ CH ₂ OH	(2)-230	Existing	107-21-1
Diethylene glycol	7.3%	HOCH ₂ CH ₂ OCH ₂ C H ₂ OH	(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.
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. After removal, flush contaminated area thoroughly with water.
Methods and Equipment for Containment and Cleaning up		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. Prevent flowing into drain, sewage, basement, and closed area. Remove thoroughly since the smooth and slippery surface will be formed on the floor.
Prevention Measures for Secondary Accidents		
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.
	Prevents Handling of Incompatible Substances or Mixtures	Refer to "Section 10 - STABILITY AND REACTIVITY".

Storage Precautionary Statements	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	No data available
Temperature	
Viscosity	No data available
Kinematic viscosity	No data available
 Section 10 - STABILITY AND REACTIVITY	
Reactivity	No data available
Chemical stability	No data available
Possibility of Hazardous	No data available
Reaction	
Conditions to Avoid	No data available
Incompatible Substances or	No data available
Mixtures	
Hazardous Decomposition	No data available
Products	
 Section 11 - TOXICOLOGICAL INFORMATION	
Acute Toxicity	No information available
Skin Corrosion/Irritation	No data available
Serious eye damage/eye	No data available
irritation	
Respiratory or Skin	No data available
Sensitization	
Germ Cell Mutagenicity	No data available
Carcinogenicity	No data available
Reproductive Toxicity	No data available
Specific target organ	No data available
toxicity (single exposure)	
Specific target organ	No data available
toxicity (repeated	
exposure)	
Aspiration Hazard	No data available
 Section 12 - ECOLOGICAL INFORMATION	
Hazardous to the aquatic	No data available
environment (acute)	
Hazardous to the aquatic	No data available
environment (long-term)	
Hazardous to the ozone	No data available
layer	
 Section 13 - DISPOSAL CONSIDERATIONS	
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. When commissioning the disposal to a disposal company, notify the danger and toxicity thoroughly to the company.

Contaminated Container
and Packaging

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	Not applicable
	Marine Pollutant	Not applicable
	Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code	Not applicable
Regulations in Japan	Regulatory Information by Air	Not applicable
	Regulatory Information by Road or Rail	Not applicable
	Regulatory Information by Sea	Not applicable
	Marine Pollutant	Not applicable
	Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code	Not applicable
	Regulatory Information by Air	Not applicable
Emergency Response Guide Number		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 legal responsibility for use of or reliance upon this information.