

## Safety Data Sheet (SDS)

Preparation Date 2014/08/12

## Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	WDR20-C
Product Code	WDR20C0001
Company Name	PENTEL CO., LTD.
Address	7-2,KOAMICHO,NIHONBASHI,CHUO-KU,TOKYO
Company Contact	QUALITY ASSURANCE DEPARTMENT I
Phone Number	048-928-6668
Fax Number	048-928-9190
Mail Address	hinpo@pentel.co.jp
Emergency Phone Number	048-928-6668
Recommended Use and Restriction on Use	ink  BLN15/23/25/55/75/77/105,BL17/20/27/30/57/60/77/80/107/110,LRN5/7,LR7/10,LRNT5-C

## 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(respiratory apparatus,heart,central nervous system) 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
Precautionary Statements	
Prevention	Do not breathe mist, vapours and spray.(P260)
Precautionary Statements	Wash hand thoroughly after handling.(P264) Wash eye thoroughly after handling.(P264) Do not eat, drink or smoke when using this product.(P270)

Response  
Precautionary  
Statements  
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 exposed or concerned: Call a POISON CENTER/doctor/...(P308+P311)  
Get medical advice and attention if you feel unwell.(P314)  
Specific treatment.(P321)  
If eye irritation persists: Get medical advice and attention.(P337+P313)  
Store locked up.(P405)

Storage  
Precautionary  
Statements

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.	
Ethylene glycol	12.6%	HOCH <sub>2</sub> CH <sub>2</sub> OH	(2)-230	Existing	107-21-1
Glycerin	8.7%	CH <sub>2</sub> OHCH(OH)C <sub>2</sub> H <sub>4</sub> OH	(2)-242,(7)-338	Existing	56-81-5
Thiodiglycol	9.4%	HOCH <sub>2</sub> CH <sub>2</sub> SCH <sub>2</sub> CH <sub>2</sub> OH	(2)-470	Existing	111-48-8

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

**Section 4 – FIRST AID MEASURES**

Inhalation  
Skin Contact  
Eye Contact  
Call a doctor if you feel unwell.  
Wash with soap and water.  
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.

**Section 5 – FIRE FIGHTING MEASURES**

Extinguishing Media  
Dry chemicals, CO<sub>2</sub>, water spray or regular foam.

**Section 6 – ACCIDENTAL RELEASE MEASURES**

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.  
Vacuum or sweep up material and place in a disposal container.

Methods and Equipment  
for Containment and  
Cleaning up

Prevention Measures for Secondary Accidents	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. After removal, flush contaminated area thoroughly with water. Prevent flowing into drain, sewage, basement, and closed area. Remove thoroughly since the smooth and slippery surface will be formed on the floor.
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## 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 swallowing. Avoid contact with eyes. Protect from high temperature and direct sunlight.
Storage Precautionary Statements	Prevents Handling of Incompatible Substances or Mixtures	Refer to "Section 10 – STABILITY AND REACTIVITY".
	Technical Measures	Refer to "Section 10 – STABILITY AND REACTIVITY". Have containers keep away from direct sunlight and heat. Keep away from heat.

## Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls		Good general ventilation should be sufficient to control airborne levels.
Personal Protective Equipment	Respiratory Protection	Use personal respiratory equipment as required.
	Hand Protection	Use personal gloves as required.
	Eye Protection	Use personal eye protection as required.
	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	blue
Odour		odorless
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	No data available
Decomposition Temperature	No data available
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 Reaction	No data available
Conditions to Avoid	No data available
Incompatible Substances or Mixtures	No data available
Hazardous Decomposition Products	No data available

#### Section 11 – TOXICOLOGICAL INFORMATION

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

#### Section 12 – ECOLOGICAL INFORMATION

Hazard to the aquatic environment (acute)	No data available
Hazard to the aquatic environment (long-term hazard)	No data available
Hazard to the ozone layer	No data available

#### Section 13 – DISPOSAL CONSIDERATIONS

Residual Waste	Disposal should be in accordance with applicable regulations and standards by the respective local governments. 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	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
	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 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  
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 leagal responsibility for use of or reliance upon this information.