

## Safety Data Sheet (SDS)

Preparation Date 2013/04/20

Revision Date 2014/10/29

## Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier WDR11-A  
 Product Code WDR11A0001  
 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

LRN5/7,LRN5H,LRNT5,LR7/10,BLN15/23/25,BL1  
 7/27/30/107-A

## Section 2 – HAZARDS IDENTIFICATION

## GHS Classification

Health Hazards Serious eye damage/eye irritation Category 2B  
 Specific target organ toxicity (single exposure)  
 Category 2(respiratory apparatus,heart,kidney,central nervous system)  
 Specific target organ toxicity (repeated exposure)  
 Category 2(respiratory apparatus,heart,central nervous system)  
 Environmental Hazards Hazard to the aquatic environment (acute hazard)  
 Category 2  
 Hazard to the aquatic environment (long-term hazard) Category 2  
 Other hazards than mentioned above are Not applicable or No data available.

## GHS Label Elements

## Symbols



Signal Word Warning  
 Hazard Statements H320 Causes eye irritation  
 H371 May cause damage to respiratory apparatus,heart,kidney,central nervous system  
 H373 May cause damage to respiratory apparatus,heart,central nervous system through prolonged or repeated exposure  
 H411 Toxic to aquatic life with long lasting effects  
 Precautionary Statements  
 Prevention Do not get in eyes, on skin, or on clothing.(P262)  
 Precautionary Statements

Response Precautionary Statements	IF exposed or concerned: Call a POISON CENTER/doctor/...(P308+P311)  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) IF ON SKIN: Gently wash with plenty of soap and water.(P302+P350) 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.	
Glycerin	8.79%	CH <sub>2</sub> OHCH (OH)C H <sub>2</sub> OH	(2)- 242,(7)- 338	Existing	56-81-5
Ethylene glycol	7%	HOCH <sub>2</sub> CH 2OH	(2)-230	Existing	107-21-1
Ammonia	0.3%		(1)-391	Existing	7664-41-7
Triethanolamine	0.3%	N(CH <sub>2</sub> CH <sub>2</sub> OH) <sub>3</sub>	(2)-308	Existing	102-71-6
Thiodiglycol	9.5%	HOCH <sub>2</sub> CH 2SCH <sub>2</sub> C H <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

Remove person to fresh air and keep comfortable  
for breathing.  
Get medical advice and attention if you feel unwell.

Skin Contact

Immediately rinse skin with water.  
Get medical advice and attention if you feel unwell.

Eye Contact

Wash with plenty of soap and water.  
If skin irritation or rash occurs, get medical advice  
and attention.  
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**

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 swallowing.  
Protect from high temperature and direct sunlight.

Prevents Handling of  
Incompatible  
Substances or  
Mixtures  
Specific Hygiene  
Measures

Refer to "Section 10 – STABILITY AND REACTIVITY".

Storage Precautionary  
Statements

Technical Measures

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/Container  
s

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

Eye Protection

Wear eye protection.

Protection glasses (ordinary glasses, ordinary glasses with side shields, and goggles).

## Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Physical State	liquid
	Form	liquid (viscous liquid)
	Colour	black
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		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	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	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 Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code	Not applicable
	Regulatory Information by Air	Not applicable
Regulations in Japan	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	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 leagal responsibility for use of or reliance upon this information.