

Safety Data Sheet (SDS)

Preparation Date 2013/03/18

Revision Date 2017/2/17

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name ZLE-W01
 Product Code ZLEW010001
 Company Name PENTEL CO., LTD.
 Address 7-2,KOAMICHO,NIHONBASHI,CHUO-KU,TOKYO
 Company Contact QUALITY ASSURANCE DEPARTMENT I
 Phone Number 03-5695-7210
 Emergency Phone Number 03-5695-7210
 Fax Number 03-5645-8204
 Mail Address hinpo@pentel.co.jp
 Recommended Use and Restriction on Use Correction fluids

ZLE52-WC/WL/WP/WHK/WTS/WT/W/WKN,
 ZLE53-W/WF/WH

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

Physicochemical Hazards Flammable liquids Category 2
 Health Hazards Skin corrosion/irritation Category 2
 Serious eye damage/eye irritation Category 2A
 Carcinogenicity Category 2
 Reproductive toxicity Category 1B
 Specific target organ toxicity(single exposure) Category 3(narcotic effect,respiratory tract irritation)
 Environmental Hazards Acute hazards to the aquatic environment Category 3
 Chronic hazards to the aquatic environment Category 3
 Other hazards than mentioned above are Not applicable or No data available.

GHS Label Elements
Symbols

Signal Word Danger
 Hazard Statements H225 Highly flammable liquid and vapour
 H315 Causes skin irritation
 H319 Causes serious eye irritation
 H335 May cause respiratory irritation
 H336 May cause drowsiness and dizziness
 H351 Suspected of causing cancer
 H360 May damage fertility or the unborn child
 H402 Harmful to aquatic life
 H412 Harmful to aquatic life with long lasting effects

Precautional
Statements

Prevention Precautionary Statements	Keep container tightly closed.(P233) Avoid breathing mist, vapours and spray.(P261) Wash hands thoroughly after handling.(P264) Wear protective gloves, eye protection and face protection.(P280) Use personal protective equipment as required.(P281)
Response Precautionary Statements	IF ON SKIN: Gently wash with plenty of soap and water.(P302+P352) If skin irritation occurs: Get medical advice and attention.(P332+P313) IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.(P304+P341) 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) Get medical advice and attention if you feel unwell.(P314) In case of fire: Use appropriate media for extinction.(P370+P378)
Storage Precautionary Statements	Store in a well-ventilated place. Keep container tightly closed.(P403+P233) Store in a well-ventilated place. Keep cool.(P403+P235) 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.	
Methylcyclohexane	21%	C7H14	(3)-2230	Existing	108-87-2
Xylene	0.3%	C8H10	(3)-3,(3)-60	Existing	1330-20-7
Solvent naphtha (petroleum), light aromatic	0.2%		(9)-1700	Existing	64742-95-6
1-Propanol, 2-methyl-	0.1%	C4H10O	(2)-3049	Existing	78-83-1
Cyclopentane	29.3%	C5H10	(3)-4166	Existing	287-92-3
Titanium dioxide	27.65%	TiO2	(1)-558,(5)-5225	Existing	13463-67-7
Silicon dioxide	1.5%	SiO2	(1)-548	Existing	7631-86-9

Impurities and/or Stabilizing Additives which Cor No information available

Section 4 – FIRST AID MEASURES

Inhalation	<p>If breathing is difficult, move affected person to the open air. Keep him or her at rest to allow easier breathing.</p> <p>Get medical advice and attention if you feel unwell.</p>
Skin Contact	<p>Wash with soap and plenty of water.</p> <p>Get medical advice and attention if you feel unwell.</p> <p>When skin stimulation occurs, seek medical treatment and advice.</p>
Eye Contact	<p>Wash eyes carefully for several minutes with water. Take off contact lenses if easily removed, and continue to wash eyes afterwards.</p> <p>When the ocular stimulation lasts, Seek medical treatment and advice.</p>
Ingestion	<p>Rinse a mouth. Don't make vomit by force.</p> <p>Get medical advice and attention if you feel unwell.</p>

Section 5 – FIRE FIGHTING MEASURES

Extinguishing Media	<p>Dry chemicals, general foam extinguishing agents, carbon dioxide, sand, and water spraying</p> <p>Jet water</p>
Unsuitable Extinguishing Media	
Protection of Fire Figther	<p>In fire-extinguishing activity, wear an appropriate air breathing apparatus and full protective clothing for chemicals</p>

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	<p>Wear appropriate personal protective equipment (Refer to "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION") and avoid inhalation or contact with eyes and skin.</p> <p>Ventilate the closed area.</p>
Environmental Precautions	<p>Pay attention not to cause the influence on the environment by discharging into rivers.</p>
Decontamination/Absorption/Sweeping/Vacuuming/Neutralization	<p>Absorb or cover with dry soil, sand, or incombustible materials. Then collect them into a container.</p> <p>Solidify substances and scrape off.</p>
Methods and Equipment for Containment and Cleaning up	
Prevention Measures for Secondary Accidents	<p>Prevent flowing into drain, sewage, basement, and closed area.</p>

Section 7 – HANDLING AND STORAGE

Handling	Technical Measures	<p>Provide ventilation system and Use necessary personal protective equipment as described in "8. EXPOSURE CONTROLS AND PERSONAL PROTECTION."</p>
	Local and General Ventilation	<p>Provide local ventilations and a full ventilation system as described in "8. EXPOSURE CONTROLS AND PERSONAL PROTECTION."</p>
	Precautions for Safe Handling	<p>Prohibit the use of heat, sparks, and fire in the surrounding area</p> <p>Avoid the contact with eyes and the skin.</p> <p>Wash hands thoroughly after handling.</p> <p>Avoid swallowing</p> <p>Handle at a well-ventilated place.</p>

	Prevents Handling of Incompatible Substances or Mixtures	Refer to "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 "10. STABILITY AND REACTIVITY"
	Incompatible Substances or Mixtures	
	Storage Conditions	Store in a well-ventilated and cool place keeping container tightly closed. Store locked up.
	Material Used in Packaging/Container	Keep only in the original container.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls		A general proper ventilation is enough to control concentration in air.
Personal Protective Equipment	Respiratory Protection	Use a personal protective apparatus for respiratory organs whenever necessary.
	Hand Protection	Use necessary personal protective gloves.
	Eye Protection	Use an adequate personal eye protector. Goggles (ordinary glass type, ordinary glass type with side shields, and goggle type)
	Skin and Body Protection	Wear a protective equipment for the face. Use the personal protective clothing and full face mask whenever necessary.
Specific Hygiene Measures		Wash hands thoroughly after handling.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Physical State	liquid
	Colour	white
	Odour	characteristic
	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
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Section 12 – ECOLOGICAL INFORMATION

	Environmental Hazards	No information available
Ecotoxicity		No information available

Section 13 – DISPOSAL CONSIDERATIONS

