

Safety Data Sheet (SDS)

Preparation Date 2015/07/21

Revision Date 2016/01/12

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier WPB20-X
 Product Code WPB20X0002
 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 ink
 and Restriction on Use
 K108/K118/KF8/BG208/K230/KFR10-X

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

Health Hazards Acute toxicity – inhalation (vapour) Category 4
 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,lung)
 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
 H332 Harmful if inhaled
 H371 May cause damage to respiratory
 apparatus,heart,kidney,central nervous system
 H373 May cause damage to respiratory
 apparatus,heart,central nervous system,lung
 through prolonged or repeated exposure
 Precautionary
 Statements
 Prevention Do not breathe mist, vapours and spray.(P260)
 Precautionary
 Statements Avoid breathing mist, vapours and spray.(P261)
 Wash hand thoroughly after handling.(P264)
 Wash eye thoroughly after handling.(P264)
 Do not eat, drink or smoke when using this
 product.(P270)

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. After removal, flush contaminated area thoroughly with water.
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 swallowing. Avoid contact with eyes. Protect from high temperature and direct sunlight.
Storage Precautionary Statements	Prevents Handling of Incompatible Substances or Mixtures Specific Hygiene Measures	Refer to "Section 10 – STABILITY AND REACTIVITY". Wash hand thoroughly after handling.
	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	gold
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

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.
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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 Marine Pollutant 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 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.

Safety Data Sheet (SDS)

Preparation Date 2012/11/19

Revision Date 2016/01/12

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name WPB20-Z
 Product Code WPB20Z0001
 Company Name PENTEL CO., LTD.
 Address 7-2,KOAMICHO,NIHONBASHI,CHUO-KU,TOKYO
 Company Contact QUALITY ASSURANCE DEPARTMENT I
 Phone Number 048-928-6668
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 Mail Address hinpo@pentel.co.jp
 Recommended Use and Restriction on Use ink
 K108-Z, K118-Z, KF8-Z, BG208-Z, K230-Z, KFR10-Z, WPB7-Z

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

Health Hazards Acute toxicity – inhalation(vapour) Category 4
 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(central nervous system,respiratory apparatus,heart)
 Specific target organ toxicity(repeated exposure) Category 2(lung)
 Other hazards than mentioned above are Not applicable or No data available.

GHS Label Elements
 Symbols



Signal Word Danger
Hazard Statements H320 Causes eye irritation
 H332 Harmful if inhaled
 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.
 H373 May cause damage to lung through prolonged or repeated exposure.

Precautional Statements
Prevention Do not breathe mist, vapours and spray.(P260)
Precautionary Statements Wash hands thoroughly after handling.(P264)

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

This product is water pollutant. Prevent soil contamination, or the product from flowing into the drain systems.

Decontamination/Absorption/
Sweeping/Vacuuming/
Neutralization

Collect the material into a disposal container by sucking up or sweeping up.

Absorb spills with inert materials (such as dry sand or soil) and collect them into chemical-waste disposal container.

Remove from water surface by skimming, or absorbing with an adequate absorbent.

Cleansing the contaminated area thoroughly with water after removal.

Methods and Equipment
for Containment and
Cleaning up
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 "8. EXPOSURE CONTROLS AND PERSONAL

Local and General
Ventilation

Provide local ventilations and a full ventilation system as described in "8. EXPOSURE CONTROLS AND PERSONAL PROTECTION."

Precautions for Safe
Handling

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

Avoid swallowing

Avoid the contact with the skin.

Do not breathe gas.

Do not breathe mist, vapours and spray.

Carry out ventilation of the exhaust.

Wash hands after handling.

Avoid the contact with eyes.

Avoid release to the environment.

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.

Incompatible
Substances or
Mixtures

Refer to "10. STABILITY AND REACTIVITY"

Storage Conditions

Have containers keep away from direct sunlight and heat.

Keep away from heat.

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		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 a personal eye protector whenever necessary.
	Skin and Body Protection	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	silver
	Odour	slight odor
	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

Residual Waste		For disposal, conform with the standards provided by related laws and local public bodies. Commission the authorized waste disposal company, or a local public body who conducts the disposal, 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
	UN No.	Not applicable
	Marine Pollutant	Not applicable
	Regulatory Information by Air	Not applicable
Regulations in Japan	UN No.	Not applicable
	Regulatory Information by Road or Rail	Not applicable

Regulatory Information by Sea	Not applicable
UN No.	Not applicable
Marine Pollutant	Not applicable
Regulatory Information by Air	Not applicable
UN No.	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

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