

Safety Data Sheet (SDS)

Preparation Date 2012/02/09

Revision Date 2016/04/13

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name WPF5-F
 Product Code WPF5F00001
 Company Name PENTEL CO., LTD.
 Address 7-2,KOAMICHO,NIHONBASHI,CHUO-KU,TOKYO
 Company Contact QUALITY ASSURANCE DEPARTMENT I
 Phone Number 048-928-6668
 Emergency Phone Number 048-928-6668
 Fax Number 048-928-9190
 Mail Address hinpo@pentel.co.jp
 Recommended Use and Restriction on Use ink

SL25INKF、SL25F、XSLR1-F

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

No classification standards applicable

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	18%	CH2OHCH(OH)CH2OH	(2)-242,(7)-338	Existing	56-81-5

Impurities and/or Stabilizing Additives which Contribute to the

No information available

Section 4 – FIRST AID MEASURES

Inhalation

If breathing is difficult, move affected person to the open air. Keep him or her at rest to allow easier breathing.
 Get medical advice and attention if you feel unwell.

Skin Contact

Wash with soap and plenty of water.
 If skin irritation or rash occurs: Get medical advice and attention.

Eye Contact

Wash eyes carefully for several minutes with water. Take off contact lenses if easily removed, and continue to wash eyes afterwards.
 When the ocular stimulation lasts, Seek medical treatment and advice.

Ingestion

Rinse a mouth. Don't make vomit by force.
 Get medical advice and attention if you feel unwell.

Section 5 – FIRE FIGHTING MEASURES

Extinguishing Media

Carbon dioxide, dry chemicals, water sprinkling, and general foam extinguishing agents

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions,
 Protective Equipment and
 Emergency Procedures

No information available

Environmental Precautions	Pay attention not to cause the influence on the environment by discharging into rivers. 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.
Methods and Equipment for Containment and Cleaning up	Cleansing the contaminated area thoroughly with water after removal.
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 PROTECTION."
	Local and General Ventilation	Provide local ventilations and a full ventilation system as described in "8. EXPOSURE CONTROLS AND PERSONAL PROTECTION."
Storage Precautionary Statements	Precautions for Safe Handling	Avoid the contact with eyes. Wash hands thoroughly after handling. Avoid swallowing Avoid high temperature and direct sunlight.
	Prevents Handling of Incompatible Substances or Mixtures	Refer to "10. STABILITY AND REACTIVITY"
	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	Refer to "10. STABILITY AND REACTIVITY"
Storage Conditions	Storage Conditions	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		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.
	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	orange
	Odour	odorless
	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. In case of disposal of empty containers, remove the content thoroughly.

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
	UN No.	Not applicable
Regulations in Japan	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	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.

Safety Data Sheet (SDS)

Preparation Date 2012/02/09

Revision Date 2016/04/13

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name WPF9-G
 Product Code WPF9G00001
 Company Name PENTEL CO., LTD.
 Address 7-2,KOAMICHO,NIHONBASHI,CHUO-KU,TOKYO
 Company Contact QUALITY ASSURANCE DEPARTMENT I
 Phone Number 048-928-6668
 Emergency Phone Number 048-928-6668
 Fax Number 048-928-9190
 Mail Address hinpo@pentel.co.jp
 Recommended Use and Restriction on Use ink
 SL25INKG、SL25G、XSLR1-G

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

Health Hazards Acute toxicity – oral Category 3
 Other hazards than mentioned above are Not applicable or No data available.

GHS Label Elements
Symbols

Signal Word Danger
 Hazard Statements H301 Toxic if swallowed
 Precautional Statements
 Prevention Wash hands thoroughly after handling.(P264)
 Precautionary Statements
 Do not eat, drink or smoke when using this product.(P270)
 Response
 Precautionary Statements IF SWALLOWED: Immediately call a doctor.(P301+P310)
 Specific treatment.(P321)
 Rinse mouth.(P330)
 Store locked up.(P405)
 Storage
 Precautionary Statements
 Disposal Dispose of contents and container in accordance with local, regional and national regulations (to be specified).(P501)
 Precautionary Statements

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	20%	CH ₂ OHCH(OH)C H ₂ OH	(2)- 242,(7)- 338	Existing	56-81-5
Sodium fluoride	0.15%	NaF	(1)-332	Existing	7681-49-4

Impurities and/or
Stabilizing Additives which
Contribute to the

No information available

Section 4 – FIRST AID MEASURES

Inhalation

If breathing is difficult, move affected person to the open air. Keep him or her at rest to allow easier breathing.
Get medical advice and attention if you feel unwell.

Skin Contact

Wash with soap and plenty of water.
If skin irritation or rash occurs: Get medical advice and attention.

Eye Contact

Wash eyes carefully for several minutes with water. Take off contact lenses if easily removed, and continue to wash eyes afterwards.
When the ocular stimulation lasts, Seek medical treatment and advice.

Ingestion

Rinse a mouth. Don't make vomit by force.
Get medical advice and attention if you feel unwell.

Section 5 – FIRE FIGHTING MEASURES

Extinguishing Media

Carbon dioxide, dry chemicals, water sprinkling, and general foam extinguishing agents

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions,
Protective Equipment and
Emergency Procedures
Environmental
Precautions

No information available

Decontamination/Absorption/
Sweeping/Vacuuming/
Neutralization

Pay attention not to cause the influence on the environment by discharging into rivers.
This product is water pollutant. Prevent soil contamination, or the product from flowing into the drain systems.

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

Methods and Equipment
for Containment and
Cleaning up
Prevention Measures for
Secondary Accidents

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

Cleansing the contaminated area thoroughly with water after removal.

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

Avoid the contact with eyes.

Wash hands thoroughly after handling.

Avoid swallowing

Avoid high temperature and direct sunlight.

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	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		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.
	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	yellow
	Odour	odorless
	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. In case of disposal of empty containers, remove the content thoroughly.

Section 14 – TRANSPORT INFORMATION

International Regulations	Regulatory	Not applicable
	Information by Sea	
	UN No.	Not applicable
	Marine Pollutant	Not applicable
	Regulatory	Not applicable
	Information by Air	
	UN No.	Not applicable
Regulations in Japan	Regulatory	Not applicable
	Information by Road or Rail	
	Regulatory	Not applicable
	Information by Sea	
	UN No.	Not applicable
	Marine Pollutant	Not applicable
	Regulatory	Not applicable
	Information by Air	
	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	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.

Safety Data Sheet (SDS)

Preparation Date 2012/02/09

Revision Date 2016/04/13

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name WPF10-K
 Product Code WPF10K0001
 Company Name PENTEL CO., LTD.
 Address 7-2,KOAMICHO,NIHONBASHI,CHUO-KU,TOKYO
 Company Contact QUALITY ASSURANCE DEPARTMENT I
 Phone Number 048-928-6668
 Emergency Phone Number 048-928-6668
 Fax Number 048-928-9190
 Mail Address hinpo@pentel.co.jp
 Recommended Use and Restriction on Use ink
 SL25INKK、SL25K、XSLR1-K

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

Health Hazards Acute toxicity – oral Category 3
 Other hazards than mentioned above are Not applicable or No data available.

GHS Label Elements
Symbols

Signal Word Danger
 Hazard Statements H301 Toxic if swallowed
 Precautional Statements
 Prevention Wash hands thoroughly after handling.(P264)
 Precautionary Statements
 Do not eat, drink or smoke when using this product.(P270)
 Response
 Precautionary Statements IF SWALLOWED: Immediately call a doctor.(P301+P310)
 Specific treatment.(P321)
 Rinse mouth.(P330)
 Store locked up.(P405)
 Storage
 Precautionary Statements
 Disposal Dispose of contents and container in accordance with local, regional and national regulations (to be specified).(P501)
 Precautionary Statements

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	20%	CH ₂ OHCH(OH)C H ₂ OH	(2)- 242,(7)- 338	Existing	56-81-5
Sodium fluoride	0.15%	NaF	(1)-332	Existing	7681-49-4

Impurities and/or
Stabilizing Additives which
Contribute to the

No information available

Section 4 – FIRST AID MEASURES

Inhalation

If breathing is difficult, move affected person to the open air. Keep him or her at rest to allow easier breathing.
Get medical advice and attention if you feel unwell.

Skin Contact

Wash with soap and plenty of water.
If skin irritation or rash occurs: Get medical advice and attention.

Eye Contact

Wash eyes carefully for several minutes with water. Take off contact lenses if easily removed, and continue to wash eyes afterwards.
When the ocular stimulation lasts, Seek medical treatment and advice.

Ingestion

Rinse a mouth. Don't make vomit by force.
Get medical advice and attention if you feel unwell.

Section 5 – FIRE FIGHTING MEASURES

Extinguishing Media

Carbon dioxide, dry chemicals, water sprinkling, and general foam extinguishing agents

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions,
Protective Equipment and
Emergency Procedures
Environmental
Precautions

No information available

Decontamination/Absorption/
Sweeping/Vacuming/
Neutralization

Pay attention not to cause the influence on the environment by discharging into rivers.
This product is water pollutant. Prevent soil contamination, or the product from flowing into the drain systems.

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

Methods and Equipment
for Containment and
Cleaning up
Prevention Measures for
Secondary Accidents

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

Cleansing the contaminated area thoroughly with water after removal.

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

Avoid the contact with eyes.

Wash hands thoroughly after handling.

Avoid swallowing

Avoid high temperature and direct sunlight.

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	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		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.
	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	Light Green
	Odour	odorless
	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. In case of disposal of empty containers, remove the content thoroughly.

Section 14 – TRANSPORT INFORMATION

International Regulations	Regulatory	Not applicable
	Information by Sea	
	UN No.	Not applicable
	Marine Pollutant	Not applicable
	Regulatory	Not applicable
	Information by Air	
	UN No.	Not applicable
Regulations in Japan	Regulatory	Not applicable
	Information by Road or Rail	
	Regulatory	Not applicable
	Information by Sea	
	UN No.	Not applicable
	Marine Pollutant	Not applicable
	Regulatory	Not applicable
	Information by Air	
	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	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.

Safety Data Sheet (SDS)

Preparation Date 2012/02/09

Revision Date 2016/04/13

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name WPF5-P
 Product Code WPF5P00001
 Company Name PENTEL CO., LTD.
 Address 7-2,KOAMICHO,NIHONBASHI,CHUO-KU,TOKYO
 Company Contact QUALITY ASSURANCE DEPARTMENT I
 Phone Number 048-928-6668
 Emergency Phone Number 048-928-6668
 Fax Number 048-928-9190
 Mail Address hinpo@pentel.co.jp
 Recommended Use and Restriction on Use ink
 SL25INKP、SL25P、XSLR1-P

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

No classification standards applicable

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	23%	CH2OHCH(OH)CH2OH	(2)-242,(7)-338	Existing	56-81-5

Impurities and/or Stabilizing Additives which Contribute to the

No information available

Section 4 – FIRST AID MEASURES

Inhalation

If breathing is difficult, move affected person to the open air. Keep him or her at rest to allow easier breathing.
 Get medical advice and attention if you feel unwell.

Skin Contact

Wash with soap and plenty of water.
 If skin irritation or rash occurs: Get medical advice and attention.

Eye Contact

Wash eyes carefully for several minutes with water. Take off contact lenses if easily removed, and continue to wash eyes afterwards.
 When the ocular stimulation lasts, Seek medical treatment and advice.

Ingestion

Rinse a mouth. Don't make vomit by force.
 Get medical advice and attention if you feel unwell.

Section 5 – FIRE FIGHTING MEASURES

Extinguishing Media

Carbon dioxide, dry chemicals, water sprinkling, and general foam extinguishing agents

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

No information available

Environmental Precautions		Pay attention not to cause the influence on the environment by discharging into rivers. This product is water pollutant. Prevent soil contamination, or the product from flowing into the drain systems.
Decontamination/Absorption/Sweeping/Vacuming/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.
Methods and Equipment for Containment and Cleaning up		Cleansing the contaminated area thoroughly with water after removal.
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 PROTECTION."
	Local and General Ventilation	Provide local ventilations and a full ventilation system as described in "8. EXPOSURE CONTROLS AND PERSONAL PROTECTION."
Storage Precautionary Statements	Precautions for Safe Handling	Avoid the contact with eyes. Wash hands thoroughly after handling. Avoid swallowing
	Prevents Handling of Incompatible Substances or Mixtures	Refer to "10. STABILITY AND REACTIVITY"
	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	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		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.
	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	pink
	Odour	odorless
	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. In case of disposal of empty containers, remove the content thoroughly.

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
	UN No.	Not applicable
Regulations in Japan	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	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.

Safety Data Sheet (SDS)

Preparation Date 2012/02/09

Revision Date 2016/04/13

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name WPF5-S
 Product Code WPF5S00001
 Company Name PENTEL CO., LTD.
 Address 7-2,KOAMICHO,NIHONBASHI,CHUO-KU,TOKYO
 Company Contact QUALITY ASSURANCE DEPARTMENT I
 Phone Number 048-928-6668
 Emergency Phone Number 048-928-6668
 Fax Number 048-928-9190
 Mail Address hinpo@pentel.co.jp
 Recommended Use and Restriction on Use ink
 SL25INKS、SL25S、XSLR1-S

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

No classification standards applicable

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	30%	CH2OHCH(OH)CH2OH	(2)-242,(7)-338	Existing	56-81-5

Impurities and/or Stabilizing Additives which Contribute to the

No information available

Section 4 – FIRST AID MEASURES

Inhalation

If breathing is difficult, move affected person to the open air. Keep him or her at rest to allow easier breathing.
Get medical advice and attention if you feel unwell.

Skin Contact

Wash with soap and plenty of water.
If skin irritation or rash occurs: Get medical advice and attention.

Eye Contact

Wash eyes carefully for several minutes with water. Take off contact lenses if easily removed, and continue to wash eyes afterwards.
When the ocular stimulation lasts, Seek medical treatment and advice.

Ingestion

Rinse a mouth. Don't make vomit by force.
Get medical advice and attention if you feel unwell.

Section 5 – FIRE FIGHTING MEASURES

Extinguishing Media

Carbon dioxide, dry chemicals, water sprinkling, and general foam extinguishing agents

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

No information available

Environmental Precautions		Pay attention not to cause the influence on the environment by discharging into rivers. This product is water pollutant. Prevent soil contamination, or the product from flowing into the drain systems.
Decontamination/Absorption/Sweeping/Vacuming/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.
Methods and Equipment for Containment and Cleaning up		Cleansing the contaminated area thoroughly with water after removal.
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 PROTECTION."
	Local and General Ventilation	Provide local ventilations and a full ventilation system as described in "8. EXPOSURE CONTROLS AND PERSONAL PROTECTION."
Storage Precautionary Statements	Precautions for Safe Handling	Wash hands thoroughly after handling. Avoid swallowing Avoid high temperature and direct sunlight.
	Prevents Handling of Incompatible Substances or Mixtures	Refer to "10. STABILITY AND REACTIVITY"
	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	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		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.
	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	Sky Blue
	Odour	odorless
	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. In case of disposal of empty containers, remove the content thoroughly.

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
	UN No.	Not applicable
Regulations in Japan	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	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.

Safety Data Sheet (SDS)

Preparation Date 2012/02/09

Revision Date 2016/04/13

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name WPF5-V
 Product Code WPF5V00001
 Company Name PENTEL CO., LTD.
 Address 7-2,KOAMICHO,NIHONBASHI,CHUO-KU,TOKYO
 Company Contact QUALITY ASSURANCE DEPARTMENT I
 Phone Number 048-928-6668
 Emergency Phone Number 048-928-6668
 Fax Number 048-928-9190
 Mail Address hinpo@pentel.co.jp
 Recommended Use and Restriction on Use ink
 SL25INKV、SL25V、XSLR1-V

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

No classification standards applicable

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	30%	CH2OHCH(OH)CH2OH	(2)-242,(7)-338	Existing	56-81-5

Impurities and/or Stabilizing Additives which Contribute to the

No information available

Section 4 – FIRST AID MEASURES

Inhalation

If breathing is difficult, move affected person to the open air. Keep him or her at rest to allow easier breathing.
Get medical advice and attention if you feel unwell.

Skin Contact

Wash with soap and plenty of water.
If skin irritation or rash occurs: Get medical advice and attention.

Eye Contact

Wash eyes carefully for several minutes with water. Take off contact lenses if easily removed, and continue to wash eyes afterwards.
When the ocular stimulation lasts, Seek medical treatment and advice.

Ingestion

Rinse a mouth. Don't make vomit by force.
Get medical advice and attention if you feel unwell.

Section 5 – FIRE FIGHTING MEASURES

Extinguishing Media

Carbon dioxide, dry chemicals, water sprinkling, and general foam extinguishing agents

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

No information available

Environmental Precautions		Pay attention not to cause the influence on the environment by discharging into rivers. This product is water pollutant. Prevent soil contamination, or the product from flowing into the drain systems.
Decontamination/Absorption/Sweeping/Vacuming/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.
Methods and Equipment for Containment and Cleaning up		Cleansing the contaminated area thoroughly with water after removal.
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 PROTECTION."
	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	Avoid the contact with eyes. Wash hands thoroughly after handling. Avoid swallowing Avoid high temperature and direct sunlight.
	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"
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	Eye Protection	Use an adequate personal eye protector.
	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	Violet
	Odour	odorless
	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

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

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