

WPP1-A, PENTEL CO., LTD., 1, 2019/10/11, 1/7

21894-XXXX

## Safety Data Sheet (SDS)

Preparation Date 11/15/2017

Revision Date 10/11/2019

## Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	WPP1-A Ink used on GFKP3-A and FP10-A
Product Code	WPP1A00002
Company Name	PENTEL OF AMERICA, LTD.
Address	2715 Columbia St, Torrance, CA 90503
Company Contact	Phyllis Wang   TQC Manager
Phone Number	1-909-975-2232
E-Mail Address	<a href="mailto:hwang@pentel.com">hwang@pentel.com</a>
Emergency Phone Number	1-800-222-1222
Recommended Use and Restriction on Use	Ink

## Section 2 - HAZARDS IDENTIFICATION

## GHS Classification

Health Hazards	Acute toxicity (Inhalation: dust and mist) Category 4 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2A Carcinogenicity Category 2 Specific target organ toxicity (single exposure) Category 1(blood,kidney,central nervous system) Specific target organ toxicity (single exposure) Category 2(systemic toxicity) Specific target organ toxicity (repeated exposure) Category 2(lung,blood) Other hazards than mentioned above are Not applicable or Classification not possible.
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## GHS Label Elements

## Symbols



## Signal Word

Danger

## Hazard Statements

H315 Causes skin irritation  
H319 Causes serious eye irritation  
H332 Harmful if inhaled  
H351 Suspected of causing cancer  
H370 Causes damage to blood,kidney,central nervous system

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	H371 May cause damage to systemic toxicity H373 May cause damage to blood, lung through prolonged or repeated exposure
Precautionary Statements Prevention Precautionary Statements	Avoid breathing mist, vapours and spray.(P261)  Wash hand thoroughly after handling.(P264) Wear protective gloves.(P280) Wear eye protection and face protection.(P280)
Response Precautionary Statements	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.(P304+P340)  Get medical advice and attention if you feel unwell.(P314) IF ON SKIN: Wash with plenty of soap and water.(P302+P352) If skin irritation occurs: Get medical advice and attention.(P332+P313) 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)
Storage Precautionary Statements	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.	
C. I. Pigment Black7	7.5%		Unknown	Unknown	1333-86-4
Ethylene Glycol	11%	HOCH <sub>2</sub> CH <sub>2</sub> OH	(2)-230	Existing	107-21-1
Glycerol	10%	CH <sub>2</sub> OHCH(OH)CH <sub>2</sub> OH	(2)-242	Existing	56-81-5
2-Propanol	1.15%	CH <sub>3</sub> CH(OH)CH <sub>3</sub>	(2)-207	Existing	67-63-0
Ethanol, 2-(2-butoxyethoxy)-	1.25%	HOCH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> H <sub>2</sub> OC <sub>4</sub> H <sub>9</sub>	(2)-422 (7)-97	Existing	112-34-5

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Impurities and/or  
Stabilizing Additives which  
Contribute to the  
Classification

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

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

Eye Contact

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**

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

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.

Prevention Measures for  
Secondary Accidents

Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.  
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.

Use exhaust ventilation.

Avoid breathing mist, vapours and spray.

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		Avoid contact with eyes and skin. Do not contact, breathe or swallow. Protect from high temperature and direct sunlight. Refer to "Section 10 - STABILITY AND REACTIVITY".
	Prevents Handling of Incompatible Substances or Mixtures	
	Specific Hygiene Measures	Wash hand thoroughly after handling.
Storage Precautionary Statements	Conditions for Safe Storage	Refer to "Section 10 - STABILITY AND REACTIVITY".
		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		Good general ventilation should be sufficient to control airborne levels. Use personal respiratory equipment as required.
Personal Protective Equipment	Respiratory Protection	
	Hand Protection	Wear protective gloves.
	Eye Protection	Wear eye protection. Protection glasses (ordinary glasses, ordinary glasses with side shields, and goggles).
	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
	Colour	black
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

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Auto-Ignition Temperature	No data available
Decomposition	No data available
Temperature	No data available
Viscosity	No data available
Kinematic viscosity	No data available
<b>Section 10 - STABILITY AND REACTIVITY</b>	
Reactivity	No data available
Chemical stability	No data available
Possibility of Hazardous	No data available
Reaction	No data available
Conditions to Avoid	No data available
Incompatible Substances or	No data available
Mixtures	No data available
Hazardous Decomposition	No data available
Products	No data available
<b>Section 11 - TOXICOLOGICAL INFORMATION</b>	
Acute Toxicity	No information available
Skin Corrosion/Irritation	No data available
Serious eye damage/eye	No data available
irritation	No data available
Respiratory or Skin	No data available
Sensitization	No data available
Germ Cell Mutagenicity	No data available
Carcinogenicity	No data available
Reproductive Toxicity	No data available
Specific target organ	No data available
toxicity (single exposure)	No data available
Specific target organ	No data available
toxicity (repeated	No data available
exposure)	No data available
Aspiration Hazard	No data available
<b>Section 12 - ECOLOGICAL INFORMATION</b>	
Hazardous to the aquatic	No data available
environment (acute)	No data available
Hazardous to the aquatic	No data available
environment (long-term)	No data available
Hazardous to the ozone	No data available
layer	No data available
<b>Section 13 - DISPOSAL CONSIDERATIONS</b>	
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

When commissioning the disposal to a disposal company, notify the danger and toxicity thoroughly to the company.  
Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation.  
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 Marine Pollutant Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code	Not applicable Not applicable Not applicable
Regulations in Japan	Regulatory Information by Air Regulatory Information by Road or Rail Regulatory Information by Sea Marine Pollutant Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code	Not applicable Not applicable Not applicable Not applicable Not applicable
Emergency Response Guide Number	Regulatory Information by Air	Not applicable 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.

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**Section 16 - OTHER INFORMATION****Information Contact**  
**Other Property****No information available**

**Note:** This information is furnished without warranty express or implied. This information is believed to be accurate to the best knowledge of Pentel Co., Ltd. And Pentel of America, Ltd. We do not assume any legal responsibility for the use of or the reliance of this information. Consumer Good and Office Products as such, art and writing instruments must conform to CPSC guidelines in accordance with LHAMA and must be labeled properly to protect the consumer and do not require an MSDS or SDS for this purpose. This SDS is for Chemical content in the manufacturing and transport process as raw materials not the finished product. It is a system that has been checked and safe to be used by consumers. The product itself does not require an SDS or MSDS as it is safe when used as intended and has been tested in accordance with LHAMA and ASTM D4236 by Duke University in the ACMI and WIMA programs and is determined Non-Toxic to humans and requires no labeling of the product itself. OSHA controls MSDS and SDS guidelines and these documents are intended to protect the workers in the environment they perform their duties in their respective manufacturing process to create the products themselves. Potential exposures, handling instructions, recommended PPE and Transportation Information contained is for this process and expressly for these activities. OSHA has defined these items as Articles.

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**Safety Data Sheet (SDS)**  
**Pentel Gray Pigment Brushes**

Preparation Date 2017/06/01

Revision Date 2017/11/15

Issue Date 2019/11/20

**Section 1 - CHEMICALS AND COMPANY IDENTIFICATION**

Chemical Identifier WPF13-N Ink

Product Code WPF13N0001

Company Name PENTEL OF AMERICA, LTD.

Address 2715 Columbia St, Torrance, CA 90503

Company Contact Phyllis Wang | TQC Manager

Phone Number 1-909-975-2232

Mail Address [hwang@pentel.com](mailto:hwang@pentel.com)

Emergency Phone Number 1-800-222-1222

Recommended Use and Restriction on Use Pigment ink in Pentel Pocket Brush and Brush Pens

XSESWP25, GFKP3,FP10-N, GFP, FRP-137, GFKP3BPN, FP10BP2N, GFPBP137, FRP137BP2N

**Section 2 - HAZARDS IDENTIFICATION****GHS Classification**

Health Hazards Acute toxicity (Inhalation: dust and mist) Category 4

Carcinogenicity Category 1A  
 Specific target organ toxicity (single exposure)  
 Category 2(blood,kidney,central nervous system)  
 Other hazards than mentioned above are Not applicable or Classification not possible.

**GHS Label Elements****Symbols**

Signal Word Danger

Hazard Statements H332 Harmful if inhaled  
 H350 May cause cancer  
 H371 May cause damage to blood,kidney,central nervous system

**Precautionary Statements**

Prevention Wash eye thoroughly after handling.(P264)

Precautionary Statements



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Response Precautionary Statements	Wash hand thoroughly after handling.(P264) Wear face protection.(P280) Avoid breathing mist, vapours and spray.(P261) IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.(P304+P340)
Storage Precautionary Statements	Get medical advice and attention if you feel unwell.(P314) 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

Chemical Name or Generic Name	Concentration or Its Ranges	Formula	ENCs No./ISHL No.		CAS RN
			ENCs No.	ISHL No.	
Ethylene glycol	5%	HOCH <sub>2</sub> CH <sub>2</sub> OH	(2)-230	Existing	107-21-1
Glycerol	5%	CH <sub>2</sub> OHCH(OH)CH <sub>2</sub> OH	(2)-242	Existing	56-81-5
Ethanol	0.29%	CH <sub>3</sub> CH <sub>2</sub> OH	(2)-202	Existing	64-17-5
Triethanolamine	0.4%	N(CH <sub>2</sub> CH <sub>2</sub> OH) <sub>3</sub>	(2)-308	Existing	102-71-6
C. I. Pigment Black 7	0.68%		Unknown	Unknown	1333-86-4
C.I.Pigment Blue 15:3	0.41%		(5)-3299 (5)-3300 (5)-5216	Existing	147-14-8
Ammonia, aqueous solution	0.18%		(1)-314	Existing	1336-21-6

Impurities and/or  
Stabilizing Additives which  
Contribute to the  
Classification

No information available

## Section 4 - FIRST AID MEASURES

Inhalation

Remove person to fresh air and keep comfortable for breathing.

Skin Contact

Get medical advice and attention if you feel unwell.  
Wash with soap and water.  
If skin irritation or rash occurs, get medical advice and attention.

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Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	When the ocular stimulation lasts, Seek medical treatment and advice. 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	
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	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.
Methods and Equipment for Containment and Cleaning up	After removal, flush contaminated area thoroughly with water.  Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Vacuum or sweep up material and place in a disposal container.
Prevention Measures for Secondary Accidents	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.
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 breathing mist, vapours and spray. Avoid contact with eyes. Avoid swallowing.

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	Prevents Handling of Incompatible Substances or Mixtures	Protect from high temperature and direct sunlight. Refer to "Section 10 - STABILITY AND REACTIVITY".
	Specific Hygiene Measures	Wash hand thoroughly after handling.
Storage Precautionary Statements	Conditions for Safe Storage	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/Containers	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	Respiratory Protection	Use personal respiratory equipment as required.
	Hand Protection	Use personal gloves as required.
	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
	Colour	gray
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

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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		
Hazardous to the aquatic environment (acute)		No data available

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Hazardous to the aquatic environment (long-term)

No data available

Hazardous to the ozone

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.

When commissioning the disposal to a disposal company, notify the danger and toxicity thoroughly to the company.

Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation.

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 Marine Pollutant Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code

Not applicable

Not applicable

Not applicable

Regulations in Japan

Regulatory Information by Air  
Regulatory Information by Road or Rail  
Regulatory Information by Sea Marine Pollutant Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

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	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 Information	<p>Note: This information is furnished without warranty express or implied. This information is believed to be accurate to the best knowledge of Pentel Co., Ltd. And Pentel of America, Ltd. We do not assume any legal responsibility for the use of or the reliance of this information. Consumer Good and Office Products as such, art and writing instruments must conform to CPSC guidelines in accordance with LHAMA and must be labeled properly to protect the consumer and do not require an MSDS or SDS for this purpose. This SDS is for Chemical content in the manufacturing and transport process as raw materials not the finished product. It is a system that has been checked and safe to be used by consumers. The product itself does not require an SDS or MSDS as it is safe when used as intended and has been tested in accordance with LHAMA and ASTM D4236 by Duke University in the ACMI and WIMA programs and is determined Non-Toxic to humans and requires no labeling of the product itself. OSHA controls MSDS and SDS guidelines and these documents are intended to protect the workers in the environment they perform their duties in their respective manufacturing process to create the products themselves. Potential exposures, handling instructions, recommended PPE and Transportation Information contained is for this process and expressly for these activities. OSHA has defined these items as Articles.</p>

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**Safety Data Sheet (SDS)**  
**Sepia Pocket Brush and Pentel Brush Pens**

Preparation Date 2017/11/15  
Issue Date 2019/11/20

**Section 1 - CHEMICALS AND COMPANY IDENTIFICATION**

Chemical Identifier	FP-SP Ink
Product Code	FPSP100001
Company Name	Pentel of America, Ltd.
Address	2715 Columbia Street Torrance Ca. 90503
Company Contact	Phyllis Wang   TQC Manager
Phone Number	909.975.2232
E-Mail Address	<a href="mailto:hwang@pentel.com">hwang@pentel.com</a>
Emergency Phone Number	1-800-222-1222
Recommended Use and Restriction on Use	ink for Pigment Sepia Pocket Brush and Brush Pens
	GFP, FRP-141, GFKP3, FP10-SP, GFKP3BPSP, FP10BP2SP, GFPBP141, FRP141BP2SP

**Section 2 - HAZARDS IDENTIFICATION**

## GHS Classification

Health Hazards	Carcinogenicity Category 2 Specific target organ toxicity (repeated exposure) Category 2(liver, lung, kidney)  Other hazards than mentioned above are Not applicable or Classification not possible.
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## GHS Label Elements

## Symbols



Signal Word	Warning
Hazard Statements	H351 Suspected of causing cancer H373 May cause damage to liver, kidney, lung through prolonged or repeated exposure
Precautionary Statements	Avoid breathing mist, vapours and spray.(P261)
Precautionary Statements	Wash hand thoroughly after handling.(P264) Wash eye thoroughly after handling.(P264)

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Response Precautionary Statements	<p>IF ON SKIN: Wash with plenty of soap and water.(P302+P352)</p> <p>If skin irritation or rash occurs, get medical advice and attention.(P333+P313)</p> <p>IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.(P304+P340)</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305+P351+P338)</p> <p>If eye irritation persists: Get medical advice and attention.(P337+P313)</p> <p>Get medical advice and attention if you feel unwell.(P314)</p>
Storage Precautionary Statements	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.	
Glycerol	9.87%	CH <sub>2</sub> OHCH(OH)C H <sub>2</sub> OH	(2)-242	Existing	56-81-5
Diethylene glycol	2.87%	HOCH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub> C H <sub>2</sub> OH	(2)-415	Existing	111-46-6
Triethanolamine	0.4%	N(CH <sub>2</sub> CH <sub>2</sub> OH) <sub>3</sub>	(2)-308	Existing	102-71-6
Carbon Black	2.952%		Unknown	Unknown	1333-86-4

Impurities and/or  
Stabilizing Additives which  
Contribute to the  
Classification

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.



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Skin Contact	Wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice and attention.				
Eye Contact	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.				
<b>Section 5 - FIRE FIGHTING MEASURES</b>					
Extinguishing Media	Dry chemicals, CO2, water spray or regular foam.				
<b>Section 6 - ACCIDENTAL RELEASE MEASURES</b>					
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	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.				
Methods and Equipment for Containment and Cleaning up	After removal, flush contaminated area thoroughly with water.  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.				
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.				
<b>Section 7 - HANDLING AND STORAGE</b>					
Handling	<table border="0"> <tr> <td style="vertical-align: top;">Technical Measures</td> <td style="vertical-align: top;">Provide ventilation system and use necessary personal protective equipment as described in "Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION".</td> </tr> <tr> <td style="vertical-align: top;">Precautions for Safe Handling</td> <td style="vertical-align: top;">Wash hand thoroughly after handling.  Avoid contact with eyes.</td> </tr> </table>	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 contact with eyes.
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 contact with eyes.				

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		Avoid swallowing. Protect from high temperature and direct sunlight. Refer to "Section 10 - STABILITY AND REACTIVITY".
	Prevents Handling of Incompatible Substances or Mixtures	
	Specific Hygiene Measures	Wash hand thoroughly after handling.
Storage Precautionary Statements	Conditions for Safe Storage	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/Containers	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	Respiratory Protection	Use personal respiratory equipment as required.
	Hand Protection	Wear protective gloves.
	Eye Protection	Wear eye protection. Protection glasses (ordinary glasses, ordinary glasses with side shields, and goggles).
	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
	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

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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
<b>Section 10 - STABILITY AND REACTIVITY</b>		
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
<b>Section 11 - TOXICOLOGICAL INFORMATION</b>		
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
<b>Section 12 - ECOLOGICAL INFORMATION</b>		
Hazardous to the aquatic environment (acute)		No data available

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Hazardous to the aquatic environment (long-term)  
Hazardous to the ozone layer

No data available

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.

When commissioning the disposal to a disposal company, notify the danger and toxicity thoroughly to the company.

Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation.

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

Marine Pollutant Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code

Not applicable

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

Not applicable

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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 Information	<p>Note: This information is furnished without warranty express or implied. This information is believed to be accurate to the best knowledge of Pentel Co., Ltd. And Pentel of America, Ltd. We do not assume any legal responsibility for the use of or the reliance of this information. Consumer Good and Office Products as such, art and writing instruments must conform to CPSC guidelines in accordance with LHAMA and must be labeled properly to protect the consumer and do not require an MSDS or SDS for this purpose. This SDS is for Chemical content in the manufacturing and transport process as raw materials not the finished product. It is a system that has been checked and safe to be used by consumers. The product itself does not require an SDS or MSDS as it is safe when used as intended and has been tested in accordance with LHAMA and ASTM D4236 by Duke University in the ACMI and WIMA programs and is determined Non-Toxic to humans and requires no labeling of the product itself. OSHA controls MSDS and SDS guidelines and these documents are intended to protect the workers in the environment they perform their duties in their respective manufacturing process to create the products themselves. Potential exposures, handling instructions, recommended PPE and Transportation Information contained is for this process and expressly for these activities. OSHA has defined these items as Articles.</p>

