

Safety Data Sheet (SDS)

Preparation Date 2012/11/02
 Revision Date 2016/01/12

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identification OPB11-A
 Product Code OPB11A0001
 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 or Use BX157-A, BX107A-A
 (X) BXM7H-A, XBXS7-A, XKBXES7-A, XBXST5-A

Section 2 - HAZARDS IDENTIFICATION

GHS Classification

Health Hazards Acute toxicity - inhalation (vapour) Category 2
 Skin corrosion/irritation Category 2
 Serious eye damage/eye irritation Category 2
 Carcinogenicity Category 2
 Reproductive toxicity Category 1B
 Specific target organ toxicity (single exposure) Category 1 (blood)
 Specific target organ toxicity (single exposure) Category 3 (narcotic effect)
 Specific target organ toxicity (repeated exposure) Category 2 (blood, lung)
 Other hazards than mentioned above are Not applicable or No data available.

GHS Label Elements

Symbols



Signal Word Danger
 Hazard Statements H315+H320 Causes skin and eye irritation
 H227 Combustible liquid
 H303 May be harmful if swallowed

Precautionary Statements
 Prevention
 Precautionary Statements

Avoid breathing gas. (P261)
 Avoid breathing dust and fume. (P261)
 Avoid breathing mist, vapours and spray. (P264)
 Wash hand thoroughly after handling. (P264)
 Use only outdoors or in a well-ventilated area. (P271)
 Wear protective gloves. (P280)

Response
Precautionary
Statements

IF ON SKIN: Wash with plenty of soap and water.(P302+P352)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305+P351+P338)
Get medical advice and attention if you feel unwell.(P314)
If skin irritation occurs: Get medical advice and attention.(P332+P313)
If eye irritation persists: Get medical advice and attention.(P337+P313)

Storage
Precautionary
Statements

Store in a well-ventilated place keeping container tightly closed.(P403+P233)

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.	
CarbonBlack (C. I. Pigment Black7)	5.5%		(5)-3328,(5)-5222	Existing	1333-86-4
Methyl Diglycol	24.88%		(2)-422,(7)-97	Existing	111-77-3
Ethylene glycol monoisopropyl ether	20.4%		(2)-410,(2)-2424,(7)-97	Existing	109-59-1
Phenyl Cellosolve	15%		(3)-558,(7)-78,(9)-1277	Existing	122-99-6
Cyclohexanone	0.14%	C6H10O	(3)-2376	Existing	108-94-1

Impurities and/or Stabilizing Additives which Contribute to the

No information available

Section 4 – FIRST AID MEASURES

Inhalation

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

Skin Contact

If skin irritation occurs: Get medical advice and attention.
Immediately rinse skin with water.
Wash with plenty of soap and water.
Get medical advice and attention if you feel unwell.

Eye Contact

Call a doctor if you feel unwell.

Ingestion
 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.
 Get medical advice and attention if you feel unwell.

Rinse mouth. Do NOT induce vomiting.

Section 5 – FIRE FIGHTING MEASURES

Extinguishing Media

Dry chemicals, CO2, fog, sand or regular foam.
 Use extinguishing agent suitable for type of surrounding fire.
 Straight streams.

Unsuitable Extinguishing Media

Fire may produce irritating, corrosive and/or toxic gases.

Specific Hazards

Specific Fire Fighting

Move containers from fire area if you can do it without risk.
 Cool containers with flooding quantities of water until well after fire is out.
 Eliminate all ignition sources if safe to do so.
 In fire fighting, wear respiratory protection and chemical protective clothing.

Protection of Fire Figther

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Ventilate closed spaces before entering.

Environmental

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
 Wear appropriate personal protective equipment (Refer to "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION") and avoid inhalation or contact with eyes and skin.
 Do not release into the environment.
 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.
 All equipment used when handling the product must be grounded.

Methods and Equipment for Containment and Cleaning up

Stop leak if you can do it without risk.
 Allow material to solidify, and scrape up.
 After removal, flush contaminated area thoroughly with water.
 Absorb or cover with dry earth, sand or other non-combustible material and transfer to 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.
 Remove from water surface by skimming or with suitable absorbents. Do not use dispersants.

Prevention Measures for Secondary Accidents	<p>Removes all ignition sources promptly. (Prohibition of smoking, sparks, and flames in the surrounding area).</p> <p>Prevent flowing into drain, sewage, basement, and closed area.</p> <p>Prevent dispersion by covering with plastic sheets.</p> <p>Remove thoroughly since the smooth and slippery surface will be formed on the floor.</p>
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Section 7 – HANDLING AND STORAGE

Handling	<p>Technical Measures Provide ventilation system and use necessary personal protective equipment as described in "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION".</p> <p>Precautions for Safe Handling Use only outdoors or in a well-ventilated area.</p> <p>Obtain special instructions before use.</p> <p>Do not handle until all safety precautions have been read and understood.</p> <p>Wash hand thoroughly after handling.</p> <p>Use exhaust ventilation.</p>
Prevents Handling of Incompatible Substances or Mixtures	<p>Specific Hygiene Measures Refer to "Section 10 – STABILITY AND REACTIVITY".</p> <p>Technical Measures Wash hand thoroughly after handling.</p>
Storage Precautionary Statements	<p>Technical Measures No specific technical measures are required.</p> <p>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".</p> <p>Store away from oxidants.</p> <p>Keep away from heat, sparks, open flames and hot surfaces. No smoking.</p> <p>Store at temperatures not exceeding appropriate temperature.</p> <p>Material Used in Packaging/Container Use containers prescribed in the "Fire Service Law (Japan)" and the "UN Transport Regulations". Use the containers prescribed in the "Fire Service Law (Japan)".</p> <p>Use the containers prescribed in the "UN Transport Regulations".</p> <p>Packaging materials and containers are not legislated, but use sturdy and closed-type containers.</p>

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls	<p>Carry out handling of the material in the workplace equipped with a full ventilation system.</p> <p>Take precautionary measures against static discharge.</p> <p>Good general ventilation should be sufficient to control airborne levels.</p>
Personal Protective Equipment	<p>Respiratory Protection Use necessary personal protective equipment.</p> <p>Hand Protection Wear protective gloves.</p>

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
	Colour	black
Odour		A characteristic odor makes it small.
Odour threshold		No data available
pH		No data available
Melting Point/Freezing Point		No data available
Initial Boiling Point and Boiling Ranges		No data available
Flash Point		no data available
Evaporation Rate		No data available
Flammability (solid, gas)		No data available
Flammability or Explosive Limits	Lower Limit	No data available
	Upper Limit	No data available
Vapour Pressure		No data available
Vapour Density		No data available
Specific Gravity (Density)		No data available
Partition Coefficient : n-Octanol/Water		No data available
Auto-Ignition		No data available
Decomposition Temperature		No data available
Viscosity		No data available
Kinematic viscosity		No data available

Section 10 – STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	No data available
Possibility of Hazardous Reaction	No data available
Conditions to Avoid	No data available
Incompatible Substances or Mixtures	No data available
Hazardous Decomposition Products	No data available

Section 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity	No information available
Skin Corrosion/Irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	No data available
Carcinogenicity	No data available
Reproductive Toxicity	No data available
Specific target organ toxicity (single exposure)	No data available
Specific target organ toxicity (repeated exposure)	No data available
Aspiration Hazard	No data available

Section 12 – ECOLOGICAL INFORMATION

Hazard to the aquatic environment (acute)	No data available
Hazard to the aquatic environment (long-term hazard)	No data available
Hazard to the ozone layer	No data available

Section 13 – DISPOSAL CONSIDERATIONS

Residual Waste	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.
Contaminated Container and Packaging	Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.

Section 14 – TRANSPORT INFORMATION

International Regulations	Regulatory Information by Sea	Not applicable
	Marine Pollutant Transport in bulk according to MARPOL 73/78,Annex II ,and the IBC code	Not applicable Not applicable
	Regulatory Information by Air	Not applicable
Regulations in Japan	Regulatory Information by Road or Rail	Not applicable
	Regulatory Information by Sea	Not applicable
	Marine Pollutant Transport in bulk according to MARPOL 73/78,Annex II ,and the IBC code	Not applicable Not applicable
	Regulatory Information by Air	Not applicable
Emergency Response Guide Number		Not applicable

Section 15 – REGULATORY INFORMATION

Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

Section 16 – OTHER INFORMATION

Information Contact	No information available
Other Property	This information is furnished without warranty express or implied.

This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes leagal responsibility for use of or reliance upon this information.

Safety Data Sheet (SDS)

Preparation Date 2015/04/02
 Revision Date 2016/01/12

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identification OPB11-B
 Product Code OPB11B0002
 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 or Use BX157-B, BX107B-B
 (X) BXM7H-B, (X) BXS7-B, XKBXES-B

Section 2 - HAZARDS IDENTIFICATION

GHS Classification

Health Hazards Acute toxicity - dermal Category 4
 Acute toxicity - inhalation (vapour) Category 4
 Skin corrosion/irritation Category 2
 Serious eye damage/eye irritation Category 2
 Reproductive toxicity Category 2
 Specific target organ toxicity (single exposure) Category 1 (blood)
 Specific target organ toxicity (single exposure) Category 3 (narcotic effect)
 Specific target organ toxicity (repeated exposure) Category 2 (blood)
 Environmental Hazards Hazard to the aquatic environment (long-term hazard) Category 3
 Other hazards than mentioned above are Not applicable or No data available.

GHS Label Elements

Symbols



Signal Word Danger
 Hazard Statements H312+H332 Harmful in contact with skin or if inhaled
 H315+H320 Causes skin and eye irritation
 H336 May cause drowsiness and dizziness
 H361 Suspected of damaging fertility or the unborn child
 H370 Causes damage to blood
 H373 May cause damage to blood through prolonged or repeated exposure
 H412 Harmful to aquatic life with long lasting effects

Precautionary Statements

Impurities and/or
Stabilizing Additives which
Contribute to the

No information available

Section 4 – FIRST AID MEASURES

Inhalation

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

Skin Contact

Wash with plenty of soap and water.
Get medical advice and attention if you feel unwell.

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

Small fires: Dry chemical, CO2, water spray or regular foam.
Straight streams.

Unsuitable Extinguishing
Media

Specific Hazards

Combustible material; may burn but does not ignite readily.

Specific Fire Fighting

Cool containers with flooding quantities of water until well after fire is out.

Protection of Fire Figther

In fire fighting, wear respiratory protection and chemical protective clothing.

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions,
Protective Equipment and
Emergency Procedures

Do not touch or walk through spilled material.

Environmental

Wear appropriate personal protective equipment (Refer to "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION") and avoid inhalation or contact with eyes and skin.
Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Do not release into the environment.
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.
Stop leak if you can do it without risk.

Methods and Equipment
for Containment and
Cleaning up

Small spills; cover with DRY earth, DRY sand, or other non-combustible material followed with plastic sheet to minimize spreading or contact with rain.

Prevention Measures for Secondary Accidents	Removes all ignition sources promptly. (Prohibition of smoking, sparks, and flames in the surrounding area). Prevent flowing into drain, sewage, basement, and closed area.
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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".
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Precautions for Safe Handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hand thoroughly after handling. Use only outdoors or in a well-ventilated area. Do not breathe mist, vapours and spray. Use exhaust ventilation. Do not contact, breathe or swallow. Do not breathe and swallow. Do not contact with skin.
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Storage Precautionary Statements	Prevents Handling of Incompatible Substances or Mixtures	Refer to "Section 10 – STABILITY AND REACTIVITY".
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Specific Hygiene Measures	Wash hand thoroughly after handling.
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Storage Precautionary Statements	Technical Measures	The storage facility should be provided with necessary lighting, lighting equipment, and ventilator to store and handle dangerous goods. Refer to "Section 10 – STABILITY AND REACTIVITY".
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Material Used in Packaging/Containers	Store locked up. Packaging materials and containers are not legislated, but use sturdy and closed-type containers.
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Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls	Use explosion-proof electrical, ventilating and lighting equipment. Take precautionary measures against static discharge. Good general ventilation should be sufficient to control airborne levels.
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Personal Protective Equipment	Respiratory Protection Hand Protection Eye Protection Skin and Body Protection	Use personal respiratory equipment as required. Use personal gloves as required. Use personal eye protection as required. Use personal protective clothing and face protection as required.
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Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Physical State Form Colour	liquid liquid (viscous) red
Odour		characteristic
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	No data available
	Lower Limit
	Upper Limit
Vapour Pressure	No data available
Vapour Density	No data available
Specific Gravity (Density)	No data available
Partition Coefficient : n-Octanol/Water	No data available
Auto-Ignition	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Kinematic viscosity	No data available

Section 10 – STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	No data available
Possibility of Hazardous Reaction	No data available
Conditions to Avoid	No data available
Incompatible Substances or Mixtures	No data available
Hazardous Decomposition Products	No data available

Section 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity	No information available
Skin Corrosion/Irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	No data available
Carcinogenicity	No data available
Reproductive Toxicity	No data available
Specific target organ toxicity (single exposure)	No data available
Specific target organ toxicity (repeated exposure)	No data available
Aspiration Hazard	No data available

Section 12 – ECOLOGICAL INFORMATION

Hazard to the aquatic environment (acute)	No data available
Hazard to the aquatic environment (long-term hazard)	No data available
Hazard to the ozone layer	No data available

Section 13 – DISPOSAL CONSIDERATIONS

Residual Waste	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.
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 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 Regulatory Information by Air	Not applicable Not applicable Not applicable Not applicable Not applicable 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.
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Safety Data Sheet (SDS)

Preparation Date 2015/04/02

Revision Date 2016/01/12

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identification OPB11-C
 Product Code OPB11C0002
 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 or Use BX157-C, BX107C-C
 (X) BXM7H-C, (X) BXS7-C

Section 2 - HAZARDS IDENTIFICATION

GHS Classification

Health Hazards Acute toxicity - inhalation (vapour) Category 3
 Serious eye damage/eye irritation Category 2
 Reproductive toxicity Category 1B
 Specific target organ toxicity (single exposure) Category 2 (blood)
 Specific target organ toxicity (single exposure) Category 3 (narcotic effect)
 Environmental Hazards Hazard to the aquatic environment (long-term hazard) Category 3
 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
 H336 May cause drowsiness and dizziness
 H360 May damage fertility or the unborn child
 H371 May cause damage to blood
 H412 Harmful to aquatic life with long lasting effects
 Precautionary Statements
 Prevention Obtain special instructions before use. (P201)
 Precautionary Statements
 Do not handle until all safety precautions have been read and understood. (P202)
 Do not breathe mist, vapours and spray. (P261)
 Avoid breathing gas. (P261)
 Avoid breathing mist, vapours and spray. (P271)

Response Precautionary Statements	Avoid breathing dust and fume.(P261) Wash hand thoroughly after handling.(P264) Wash eye thoroughly after handling.(P264) Do not eat, drink or smoke when using this product.(P270) Use only outdoors or in a well-ventilated area.(P271) Avoid release to the environment.(P273) Wear protective gloves.(P280) IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.(P304+P340) 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 exposed or concerned: Get medical advice and attention.(P308+P313) Call a doctor if you feel unwell.(P312) If eye irritation persists: Get medical advice and attention.(P337+P313)
Storage Precautionary Statements	Store in a well-ventilated place keeping container tightly closed.(P403+P233)
Disposal Precautionary Statements	Store locked up.(P405) 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. SOLVENT BLUE 38	0.87%	Unknown	(5)-3123	Existing	1328-51-4
Ethylene glycol monoisopropyl ether	3.89%	Unknown	(2)-410,(2)-2424,(7)-97	Existing	109-59-1

Impurities and/or Stabilizing Additives which Contribute to the

No information available

Section 4 – FIRST AID MEASURES

Inhalation

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

Skin Contact

Wash with plenty of soap and water.
Get medical advice and attention if you feel unwell.

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 Small fires: Dry chemical, CO2, water spray or regular foam.
Unsuitable Extinguishing Media Straight streams.
Specific Hazards Combustible material; may burn but does not ignite readily.
Specific Fire Fighting Cool containers with flooding quantities of water until well after fire is out.
Protection of Fire Figther In fire fighting, wear respiratory protection and chemical protective clothing.

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures Do not touch or walk through spilled material.

Wear appropriate personal protective equipment (Refer to "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION") and avoid inhalation or contact with eyes and skin.
Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Environmental Do not release into the environment.
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.
Stop leak if you can do it without risk.

Methods and Equipment for Containment and Cleaning up Small spills; cover with DRY earth, DRY sand, or other non-combustible material followed with plastic sheet to minimize spreading or contact with rain.

Prevention Measures for Secondary Accidents Removes all ignition sources promptly. (Prohibition of smoking, sparks, and flames in the surrounding area).
Prevent flowing into drain, sewage, basement, and closed area.

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 Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.
Wash hand thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Do not breathe mist, vapours and spray.
Use exhaust ventilation.

		Do not contact, breathe or swallow. Do not breathe and swallow. Do not contact with skin.
	Prevents Handling of Incompatible Substances or Mixtures	Refer to "Section 10 – STABILITY AND REACTIVITY".
	Specific Hygiene Measures	Wash hand thoroughly after handling.
Storage Precautionary Statements	Technical Measures	The storage facility should be provided with necessary lighting, lighting equipment, and ventilator to store and handle dangerous goods. Refer to "Section 10 – STABILITY AND REACTIVITY". 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		Use explosion-proof electrical, ventilating and lighting equipment. Take precautionary measures against static discharge. 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)
	Colour	blue
Odour		characteristic
Odour threshold		No data available
pH		No data available
Melting Point/Freezing Point		No data available
Initial Boiling Point and Boiling Ranges		No data available
Flash Point		no data available
Evaporation Rate		No data available
Flammability (solid, gas)		No data available
Flammability or Explosive Limits	Lower Limit	No data available
	Upper Limit	No data available
Vapour Pressure		No data available
Vapour Density		No data available
Specific Gravity (Density)		No data available
Partition Coefficient : n-Octanol/Water		No data available
Auto-Ignition		No data available
Decomposition Temperature		No data available
Viscosity		No data available

Kinematic viscosity	No data available	
Section 10 – STABILITY AND REACTIVITY		
Reactivity	No data available	
Chemical stability	No data available	
Possibility of Hazardous Reaction	No data available	
Conditions to Avoid	No data available	
Incompatible Substances or Mixtures	No data available	
Hazardous Decomposition Products	No data available	
Section 11 – TOXICOLOGICAL INFORMATION		
Acute Toxicity	No information available	
Skin Corrosion/Irritation	No data available	
Serious eye damage/eye irritation	No data available	
Respiratory or Skin Sensitization	No data available	
Germ Cell Mutagenicity	No data available	
Carcinogenicity	No data available	
Reproductive Toxicity	No data available	
Specific target organ toxicity (single exposure)	No data available	
Specific target organ toxicity (repeated exposure)	No data available	
Aspiration Hazard	No data available	
Section 12 – ECOLOGICAL INFORMATION		
Hazard to the aquatic environment (acute)	No data available	
Hazard to the aquatic environment (long-term hazard)	No data available	
Hazard to the ozone layer	No data available	
Section 13 – DISPOSAL CONSIDERATIONS		
Residual Waste	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.	
Contaminated Container and Packaging	Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.	
Section 14 – TRANSPORT INFORMATION		
International Regulations	Regulatory Information by Sea	Not applicable
	Marine Pollutant	Not applicable
	Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code	Not applicable

	Regulatory Information by Air	Not applicable
Regulations in Japan	Regulatory Information by Road or Rail	Not applicable
	Regulatory Information by Sea	Not applicable
	Marine Pollutant Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code	Not applicable
	Regulatory Information by Air	Not applicable
Emergency Response Guide Number		Not applicable

Section 15 – REGULATORY INFORMATION

Regulatory information with regard to this product in your country or in your region should be examined by your own responsibility.

Section 16 – OTHER INFORMATION

Information Contact
Other Property

No information available
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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.