

## Safety Data Sheet (SDS)

Preparation Date 2013/10/21

Revision Date 2018/12/13

## Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier WDR22-A  
 Product Code WDR22A0001  
 Company Name PENTEL CO., LTD.  
 Address 7-2,KOAMICHO,NIHONBASHI,CHUO-KU,TOKYO  
 Company Contact QUALITY ASSURANCE DEPARTMENT I  
 Phone Number 03-5695-7210  
 Fax Number 03-5645-8204  
 Mail Address hinpo@pentel.co.jp  
 Emergency Phone Number 03-5695-7210  
 Recommended Use ink  
 and Restriction on Use  
 BLN73-A、LRN3-A、XBGRN5A

## 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  
 Sensitization – skin Category 1  
 Specific target organ toxicity (single exposure) Category 2(blood,kidney,central nervous system)  
 Environmental Hazards Hazardous to the aquatic environment (acute) Category 2  
 Other hazards than mentioned above are Not applicable or Classification not possible.

## GHS Label Elements

## Symbols



Signal Word Warning  
 Hazard Statements H315 Causes skin irritation  
 H317 May cause an allergic skin reaction  
 H319 Causes serious eye irritation  
 H332 Harmful if inhaled  
 H371 May cause damage to blood,kidney,central nervous system  
 H401 Toxic to aquatic life  
 Precautionary Statements  
 Prevention Avoid breathing mist, vapours and spray.(P261)  
 Precautionary Statements  
 Wash hand thoroughly after handling.(P264)  
 Wash eye thoroughly after handling.(P264)  
 Do not eat, drink or smoke when using this product.(P270)

Response	Wear protective gloves.(P280)
Precautionary Statements	Wear eye protection and face protection.(P280) 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 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) If skin irritation or rash occurs, get medical advice and attention.(P333+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.	
Glycerin	11.5%	CH <sub>2</sub> OHCH(OH)C H <sub>2</sub> OH	(2)-242	Existing	56-81-5
Ethylene glycol	5%	HOCH <sub>2</sub> CH 2OH	(2)-230	Existing	107-21-1
Thiodiethylene glycol	9%	HOCH <sub>2</sub> CH 2SCH <sub>2</sub> C H <sub>2</sub> OH	(2)-470	Existing	111-48-8
Triethanolamine	3.5%	N(CH <sub>2</sub> CH <sub>2</sub> OH) <sub>3</sub>	(2)-308	Existing	102-71-6
Ammonia	0.74%		(1)-391	Existing	7664-41-7

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 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, CO<sub>2</sub>, water spray or regular foam.

## Section 6 – ACCIDENTAL RELEASE MEASURES

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  
Prevention Measures for  
Secondary Accidents

Prevent flowing into drain, sewage, basement, and closed area.  
Remove thoroughly since the smooth and slippery surface will be formed on the floor.

## Section 7 – HANDLING AND STORAGE

Handling

Technical Measures

Provide ventilation system and use necessary personal protective equipment as described in "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION".

Precautions for Safe  
Handling

Avoid breathing mist, vapours and spray.

Wash hand thoroughly after handling.  
Do not contact, breathe or swallow.  
Do not eat, drink or smoke when using this product.  
Avoid contact with eyes.  
Protect from high temperature and direct sunlight.

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

Conditions for Safe  
Storage

Refer to "Section 10 – STABILITY AND REACTIVITY".  
Store locked up.

Material Used in  
Packaging/Container  
s

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

Hand Protection

Use personal gloves as required.

Eye Protection  
Skin and Body  
Protection

Use personal eye protection as required.  
Use personal face protection as required.

## Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State

liquid

Form

liquid (viscous 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
Flammability or Explosive Limits		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 Sensitization		No data available
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
Hazardous to the aquatic environment (long-term)		No data available
Hazardous 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.

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.

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

**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

Marine Pollutant

Not applicable

Transport in bulk

Not applicable

according to

MARPOL

73/78,Annex II ,and

the IBC code

Regulatory

Not applicable

Information by Air

**Regulations in Japan**

Regulatory

Not applicable

Information by Road

or Rail

Regulatory

Not applicable

Information by Sea

Marine Pollutant

Not applicable

Transport in bulk

Not applicable

according to

MARPOL

73/78,Annex II ,and

the IBC code

Regulatory

Not applicable

Information by Air

**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 2013/10/21

Revision Date 2018/12/13

## Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier WDR22-B  
 Product Code WDR22B0001  
 Company Name PENTEL CO., LTD.  
 Address 7-2,KOAMICHO,NIHONBASHI,CHUO-KU,TOKYO  
 Company Contact QUALITY ASSURANCE DEPARTMENT I  
 Phone Number 03-5695-7210  
 Fax Number 03-5645-8204  
 Mail Address hinpo@pentel.co.jp  
 Emergency Phone Number 03-5695-7210  
 Recommended Use ink  
 and Restriction on Use  
 BLN73-B, LRN3-B, XBGRN5B

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

## GHS Label Elements

## Symbols



Signal Word Warning  
 Hazard Statements H315 Causes skin irritation  
 H319 Causes serious eye irritation  
 H332 Harmful if inhaled  
 H361 Suspected of damaging fertility or the unborn child  
 H371 May cause damage to blood,kidney,central nervous system  
 H373 May cause damage to liver,kidney through prolonged or repeated exposure  
 Precautionary Statements  
 Prevention Avoid breathing mist, vapours and spray.(P261)  
 Precautionary Statements  
 Wash hand thoroughly after handling.(P264)  
 Wash eye thoroughly after handling.(P264)

Response Precautionary Statements	Do not eat, drink or smoke when using this product.(P270) Wear protective gloves.(P280) Wear eye protection and face protection.(P280) 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 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) If skin irritation or rash occurs, get medical advice and attention.(P333+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.	
Glycerin	11.5%	CH <sub>2</sub> OHCH (OH)C H <sub>2</sub> OH	(2)-242	Existing	56-81-5
Ethylene glycol	5%	HOCH <sub>2</sub> CH 2OH	(2)-230	Existing	107-21-1
Diethylene glycol	9%	HOCH <sub>2</sub> CH 2OCH <sub>2</sub> C H <sub>2</sub> OH	(2)-415	Existing	111-46-6
Triethanolamine	0.7%	N(CH <sub>2</sub> CH <sub>2</sub> OH) <sub>3</sub>	(2)-308	Existing	102-71-6

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 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, CO<sub>2</sub>, water spray or regular foam.

## Section 6 – ACCIDENTAL RELEASE MEASURES

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  
Prevention Measures for  
Secondary Accidents

Prevent flowing into drain, sewage, basement, and closed area.  
Remove thoroughly since the smooth and slippery surface will be formed on the floor.

## Section 7 – HANDLING AND STORAGE

Handling

Technical Measures

Provide ventilation system and use necessary personal protective equipment as described in "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION".

Precautions for Safe  
Handling

Avoid breathing mist, vapours and spray.

Wash hand thoroughly after handling.  
Do not contact, breathe or swallow.  
Do not eat, drink or smoke when using this product.  
Avoid contact with eyes.  
Protect from high temperature and direct sunlight.

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

Conditions for Safe  
Storage

Refer to "Section 10 – STABILITY AND REACTIVITY".  
Store locked up.

Material Used in  
Packaging/Container  
s

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

Hand Protection

Use personal gloves as required.

Eye Protection  
Skin and Body  
Protection

Use personal eye protection as required.  
Use personal face protection as required.

## Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State

liquid

Form

liquid (viscous liquid)

Colour

red

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		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 Sensitization		No data available
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
Hazardous to the aquatic environment (long-term)		No data available
Hazardous 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.

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.

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

**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

Marine Pollutant

Not applicable

Transport in bulk

Not applicable

according to

MARPOL

73/78,Annex II ,and

the IBC code

Regulatory

Not applicable

Information by Air

**Regulations in Japan**

Regulatory

Not applicable

Information by Road

or Rail

Regulatory

Not applicable

Information by Sea

Marine Pollutant

Not applicable

Transport in bulk

Not applicable

according to

MARPOL

73/78,Annex II ,and

the IBC code

Regulatory

Not applicable

Information by Air

**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 2015/06/08

Revision Date 2018/10/09

## Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier WDR22-C  
 Product Code WDR22C0001  
 Company Name PENTEL CO., LTD.  
 Address 7-2,KOAMICHO,NIHONBASHI,CHUO-KU,TOKYO  
 Company Contact QUALITY ASSURANCE DEPARTMENT I  
 Phone Number 03-5695-7210  
 Fax Number 03-5645-8204  
 Mail Address hinpo@pentel.co.jp  
 Emergency Phone Number 03-5695-7210  
 Recommended Use ink  
 and Restriction on Use  
 BLN73-C, LRN3-C, XBGRN5C

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

## GHS Label Elements

## Symbols



Signal Word Warning  
 Hazard Statements H315 Causes skin irritation  
 H319 Causes serious eye irritation  
 H332 Harmful if inhaled  
 H361 Suspected of damaging fertility or the unborn child  
 H371 May cause damage to blood,kidney,central nervous system  
 H373 May cause damage to liver,kidney through prolonged or repeated exposure  
 Precautionary Statements  
 Prevention Avoid breathing mist, vapours and spray.(P261)  
 Precautionary Statements  
 Wash hand thoroughly after handling.(P264)  
 Wash eye thoroughly after handling.(P264)

Response Precautionary Statements	Do not eat, drink or smoke when using this product.(P270) Wear protective gloves.(P280) Wear eye protection and face protection.(P280) 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 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) If skin irritation or rash occurs, get medical advice and attention.(P333+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.	
Glycerin	11.5%	CH <sub>2</sub> OHCH (OH)C H <sub>2</sub> OH	(2)-242	Existing	56-81-5
Ethylene glycol	5%	HOCH <sub>2</sub> CH 2OH	(2)-230	Existing	107-21-1
Triethanolamine	0.7%	N(CH <sub>2</sub> CH <sub>2</sub> OH) <sub>3</sub>	(2)-308	Existing	102-71-6
Direct blue 87	3.7%		(5)-1299	Existing	1330-39-8
Diethylene glycol	9%	HOCH <sub>2</sub> CH 2OCH <sub>2</sub> C H <sub>2</sub> OH	(2)-415	Existing	111-46-6

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 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, CO<sub>2</sub>, water spray or regular foam.

## Section 6 – ACCIDENTAL RELEASE MEASURES

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  
Prevention Measures for Secondary Accidents

Prevent flowing into drain, sewage, basement, and closed area.  
Remove thoroughly since the smooth and slippery surface will be formed on the floor.

## Section 7 – HANDLING AND STORAGE

Handling	Technical Measures	Provide ventilation system and use necessary personal protective equipment as described in "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION".
	Precautions for Safe Handling	Avoid breathing mist, vapours and spray.  Wash hand thoroughly after handling. Do not contact, breathe or swallow. Do not eat, drink or smoke when using this product. Avoid contact with eyes. Protect from high temperature and direct sunlight.
Storage Precautionary Statements	Prevents Handling of Incompatible Substances or Mixtures	Refer to "Section 10 – STABILITY AND REACTIVITY".
	Specific Hygiene Measures	Wash hand thoroughly after handling.
	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.

Personal Protective Equipment Hand Protection Use personal gloves as required.

Eye Protection Use personal eye protection as required.  
Skin and Body Protection Use personal face protection as required.

## Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Physical State	liquid
	Form	liquid (viscous liquid)

	Colour	blue
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		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
<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 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 Sensitization		No data available
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
Hazardous to the aquatic environment (long-term)		No data available



Hazardous 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.

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.

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

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

Not applicable

Transport in bulk according to

Not applicable

MARPOL

73/78,Annex II ,and

the IBC code

Regulatory

Not applicable

Information by Air

Regulations in Japan

Regulatory

Not applicable

Information by Road or Rail

Regulatory

Not applicable

Information by Sea

Marine Pollutant

Not applicable

Transport in bulk

Not applicable

according to

MARPOL

73/78,Annex II ,and

the IBC code

Regulatory

Not applicable

Information by Air

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.

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