

Safety Data Sheet (SDS)

Preparation Date 2011/08/11

Revision Date 2017/01/13

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

| | |
|--|---------------------------------------|
| Chemical Identifier | WDF1-A |
| Product Code | WDF1A00001 |
| 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 and Restriction on Use | ink S520-A,SES15C-A |

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

| | |
|----------------|---|
| Health Hazards | Serious eye damage/eye irritation Category 2B Specific target organ toxicity (single exposure) Category 1(respiratory apparatus,heart,kidney,central nervous system) Specific target organ toxicity (repeated exposure) Category 1(respiratory apparatus,heart,central nervous system) Other hazards than mentioned above are Not applicable or Classification not possible. |
|----------------|---|

GHS Label Elements

Symbols



| | |
|--------------------------|--|
| Signal Word | Danger |
| Hazard Statements | H320 Causes eye irritation H370 Causes damage to respiratory apparatus,heart,kidney,central nervous system H372 Causes damage to respiratory apparatus,heart,central nervous system through prolonged or repeated exposure |
| Precautionary Statements | |
| Prevention | Do not breathe mist, vapours and spray.(P260) |
| 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 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305+P351+P338) |
| Precautionary Statements | |

| | |
|--------------------------|--|
| Storage | If eye irritation persists: Get medical advice and attention.(P337+P313) |
| Precautionary Statements | Store locked up.(P405) |
| Disposal | Dispose of contents and container in accordance with local, regional and national regulations (to be specified).(P501) |
| Precautionary Statements | |

Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance
or Mixture

Mixture

| Chemical Name or Generic Name | Concentration or Its Ranges | Formula | ENCs No./ISHL No. | | CAS RN |
|----------------------------------|--------------------------------|---|-------------------------------|------------------------|----------|
| | | | ENCs No. | ISHL No. | |
| Ethylene glycol | 12.5% | HOCH ₂ CH 2OH | (2)-230 | Existing | 107-21-1 |
| Propylene glycol | 2.5% | HOCH ₂ CH (OH)CH ₃ | (2)-234 | 2-(8)-321 2-(8)-323 | 57-55-6 |
| 2-phenoxyethanol | 0.5% | | (3)-558 (7)-78 (9)-1277 | Existing | 122-99-6 |

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, CO₂, 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

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 | Avoid contact with eyes. Wash hand thoroughly after handling. Avoid swallowing. 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. |
| | 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". 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 | 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 | 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 |
| 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

| | | |
|--|--|-------------------|
| 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. |
|----------------|--|--|

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 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 legal responsibility for use of or reliance
upon this information.

Safety Data Sheet (SDS)

Preparation Date 2011/08/11

Revision Date 2017/01/13

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

| | |
|--|---------------------------------------|
| Chemical Identifier | WDF1-B |
| Product Code | WDF1B00001 |
| 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 and Restriction on Use | ink S520-B,SES15C-B |

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

| | |
|----------------|---|
| Health Hazards | Serious eye damage/eye irritation Category 2B Specific target organ toxicity (single exposure) Category 1(respiratory apparatus,heart,kidney,central nervous system) Specific target organ toxicity (repeated exposure) Category 1(respiratory apparatus,heart,central nervous system) Other hazards than mentioned above are Not applicable or Classification not possible. |
|----------------|---|

GHS Label Elements

Symbols



| | |
|--------------------------|--|
| Signal Word | Danger |
| Hazard Statements | H320 Causes eye irritation H370 Causes damage to respiratory apparatus,heart,kidney,central nervous system H372 Causes damage to respiratory apparatus,heart,central nervous system through prolonged or repeated exposure |
| Precautionary Statements | |
| Prevention | Do not breathe mist, vapours and spray.(P260) |
| 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 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305+P351+P338) |
| Precautionary Statements | |

| | |
|---|--|
| Prevention Measures for Secondary Accidents | Prevent flowing into drain, sewage, basement, and closed area. Remove thoroughly since the smooth and slippery surface will be formed on the floor. |
|---|--|

Section 7 – HANDLING AND STORAGE

| | | |
|----------------------------------|--|--|
| Handling | Technical Measures | Provide ventilation system and use necessary personal protective equipment as described in "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION". |
| | Precautions for Safe Handling | Wash hand thoroughly after handling. 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. |
| | 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". 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 | 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 | 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 | 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

| | |
|--|-------------------|
| 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. |
| 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 | Not applicable |
| | according to | |
| | MARPOL | |
| | 73/78,Annex II ,and | |
| | the IBC code | |
| | Regulatory | Not applicable |
| Regulations in Japan | Information by Air | |
| | 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 |
| Emergency Response | Information by Air | |
| Guide Number | | Not applicable |

Section 15 – REGULATORY INFORMATION

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

Section 16 – OTHER INFORMATION

Information Contact
Other Property

No information available
This information is furnished without warranty
express or implied.
This information is believed to be accurate to the
best knowledge of PENTEL Co., Ltd. but not
assumes leagal responsibility for use of or reliance
upon this information.

Safety Data Sheet (SDS)

Preparation Date 2011/08/11

Revision Date 2017/01/13

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

| | |
|--|---------------------------------------|
| Chemical Identifier | WDF9-C |
| Product Code | WDF9C00001 |
| 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 and Restriction on Use | ink S520-C,SES15C-C |

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

| | |
|----------------|--|
| Health Hazards | Serious eye damage/eye irritation Category 2B Reproductive toxicity Category 2 Specific target organ toxicity (single exposure) Category 1(respiratory apparatus,heart,kidney,central nervous system) Specific target organ toxicity (repeated exposure) Category 1(liver,respiratory apparatus,heart,central nervous system,kidney) Other hazards than mentioned above are Not applicable or Classification not possible. |
|----------------|--|

GHS Label Elements

Symbols



| | |
|-------------------------------------|---|
| Signal Word | Danger |
| Hazard Statements | H320 Causes eye irritation H361 Suspected of damaging fertility or the unborn child H370 Causes damage to respiratory apparatus,heart,kidney,central nervous system H372 Causes damage to liver,respiratory apparatus,heart,kidney,central nervous system through prolonged or repeated exposure |
| Precautionary Statements Prevention | Wear protective gloves.(P280) |
| Precautionary Statements | Do not breathe mist, vapours and spray.(P260) Wash hand thoroughly after handling.(P264) Wash eye thoroughly after handling.(P264) Do not eat, drink or smoke when using this product.(P270) |

| | |
|---|--|
| Response Precautionary Statements | 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. | |
| Ethylene glycol | 15% | HOCH ₂ CH 2OH | (2)-230 | Existing | 107-21-1 |
| Diethylene glycol | 15% | HOCH ₂ CH 2OCH ₂ C H ₂ OH | (2)-415 | Existing | 111-46-6 |
| 2-phenoxyethanol | 0.5% | | (3)-558 (7)-78 (9)-1277 | Existing | 122-99-6 |

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, CO₂, 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.

| | |
|---|---|
| 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. |

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. |
| | Prevents Handling of Incompatible Substances or Mixtures | Protect from high temperature and direct sunlight. |
| | Specific Hygiene Measures | Refer to "Section 10 – STABILITY AND REACTIVITY". |
| Storage Precautionary Statements | Technical Measures | Wash hand thoroughly after handling. |
| | | 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 | 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 | 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 | 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

| | | |
|--|--|-------------------|
| 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. |
|----------------|--|--|

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 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. |
|---------------------------------------|---|

Safety Data Sheet (SDS)

Preparation Date 2011/08/11

Revision Date 2017/01/13

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

| | |
|--|---------------------------------------|
| Chemical Identifier | WDF1-D |
| Product Code | WDF1D00001 |
| 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 and Restriction on Use | ink S520-D,SES15C-D |

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

| | |
|----------------|---|
| Health Hazards | Serious eye damage/eye irritation Category 2B Specific target organ toxicity (single exposure) Category 1(respiratory apparatus,heart,kidney,central nervous system) Specific target organ toxicity (repeated exposure) Category 1(respiratory apparatus,heart,central nervous system) Other hazards than mentioned above are Not applicable or Classification not possible. |
|----------------|---|

GHS Label Elements

Symbols



| | |
|--------------------------|--|
| Signal Word | Danger |
| Hazard Statements | H320 Causes eye irritation H370 Causes damage to respiratory apparatus,heart,kidney,central nervous system H372 Causes damage to respiratory apparatus,heart,central nervous system through prolonged or repeated exposure |
| Precautionary Statements | |
| Prevention | |
| Precautionary Statements | Do not breathe mist, vapours and spray.(P260) |
| | Wash hand thoroughly after handling.(P264) Wash eye thoroughly after handling.(P264) Do not eat, drink or smoke when using this product.(P270) |
| Response | |
| Precautionary Statements | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305+P351+P338) |

| | |
|---|--|
| Prevention Measures for Secondary Accidents | Prevent flowing into drain, sewage, basement, and closed area. Remove thoroughly since the smooth and slippery surface will be formed on the floor. |
|---|--|

Section 7 – HANDLING AND STORAGE

| | | |
|----------------------------------|--|--|
| Handling | Technical Measures | Provide ventilation system and use necessary personal protective equipment as described in "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION". |
| | Precautions for Safe Handling | Wash hand thoroughly after handling. 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. |
| | 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". 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 | 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 | green |
| 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 |
| 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

| | |
|--|-------------------|
| 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. |
| 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 | Not applicable |
| | according to | |
| | MARPOL | |
| | 73/78,Annex II ,and | |
| | the IBC code | |
| | Regulatory | Not applicable |
| Regulations in Japan | Information by Air | |
| | 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 |
| Emergency Response | Information by Air | |
| Guide Number | | Not applicable |

Section 15 – REGULATORY INFORMATION

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

Section 16 – OTHER INFORMATION

Information Contact
Other Property

No information available
This information is furnished without warranty express or implied.
This information is believed to be accurate to the best knowledge of PENTEL Co., Ltd. but not assumes leagal responsibility for use of or reliance upon this information.

Safety Data Sheet (SDS)

Preparation Date 2011/11/18

Revision Date 2017/01/13

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

| | |
|--|---------------------------------------|
| Chemical Identifier | WDF1-E |
| Product Code | WDF1E00001 |
| 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 and Restriction on Use | ink S520-E,SES15C-E |

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

| | |
|----------------|---|
| Health Hazards | Serious eye damage/eye irritation Category 2B Specific target organ toxicity (single exposure) Category 1(respiratory apparatus,heart,kidney,central nervous system) Specific target organ toxicity (repeated exposure) Category 1(respiratory apparatus,heart,central nervous system) Other hazards than mentioned above are Not applicable or Classification not possible. |
|----------------|---|

GHS Label Elements

Symbols



| | |
|--------------------------|--|
| Signal Word | Danger |
| Hazard Statements | H320 Causes eye irritation H370 Causes damage to respiratory apparatus,heart,kidney,central nervous system H372 Causes damage to respiratory apparatus,heart,central nervous system through prolonged or repeated exposure |
| Precautionary Statements | |
| Prevention | |
| Precautionary Statements | Do not breathe mist, vapours and spray.(P260) Wash hand thoroughly after handling.(P264) Wash eye thoroughly after handling.(P264) Do not eat, drink or smoke when using this product.(P270) |
| Response | |
| Precautionary Statements | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305+P351+P338) |

| | |
|--------------------------|--|
| Storage | If eye irritation persists: Get medical advice and attention.(P337+P313) |
| Precautionary Statements | Store locked up.(P405) |
| Disposal | Dispose of contents and container in accordance with local, regional and national regulations (to be specified).(P501) |
| Precautionary Statements | |

Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance
or Mixture

Mixture

| Chemical Name or Generic Name | Concentration or Its Ranges | Formula | ENCs No./ISHL No. | | CAS RN |
|----------------------------------|--------------------------------|-----------------------------|-------------------------------|----------|-----------|
| | | | ENCs No. | ISHL No. | |
| Ethylene glycol | 15% | HOCH ₂ CH 2OH | (2)-230 | Existing | 107-21-1 |
| Direct blue 87 | 1.33% | | (5)-1299 | Existing | 1330-39-8 |
| 2-phenoxyethanol | 0.5% | | (3)-558 (7)-78 (9)-1277 | Existing | 122-99-6 |

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, CO₂, 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. Vacuum or sweep up material and place in a disposal container.

Methods and Equipment
for Containment and
Cleaning up

Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. After removal, flush contaminated area thoroughly with water.

| | |
|---|--|
| Prevention Measures for Secondary Accidents | Prevent flowing into drain, sewage, basement, and closed area. Remove thoroughly since the smooth and slippery surface will be formed on the floor. |
|---|--|

Section 7 – HANDLING AND STORAGE

| | | |
|----------------------------------|--|--|
| Handling | Technical Measures | Provide ventilation system and use necessary personal protective equipment as described in "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION". |
| | Precautions for Safe Handling | Avoid contact with eyes. Wash hand thoroughly after handling. Avoid swallowing. 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. |
| | 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". 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 | 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 | light brown |
| 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 |
| 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

| | |
|---|-------------------|
| 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. |
| 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 |
| | 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
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 2011/11/18

Revision Date 2017/01/13

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

| | |
|--|---------------------------------------|
| Chemical Identifier | WDF1-F |
| Product Code | WDF1F00001 |
| 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 and Restriction on Use | ink S520-F.SES15C-F |

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

| | |
|----------------|---|
| Health Hazards | Serious eye damage/eye irritation Category 2B Specific target organ toxicity (single exposure) Category 1(respiratory apparatus,heart,kidney,central nervous system) Specific target organ toxicity (repeated exposure) Category 1(respiratory apparatus,heart,central nervous system) Other hazards than mentioned above are Not applicable or Classification not possible. |
|----------------|---|

GHS Label Elements

Symbols



| | |
|--------------------------|--|
| Signal Word | Danger |
| Hazard Statements | H320 Causes eye irritation H370 Causes damage to respiratory apparatus,heart,kidney,central nervous system H372 Causes damage to respiratory apparatus,heart,central nervous system through prolonged or repeated exposure |
| Precautionary Statements | |
| Prevention | |
| Precautionary Statements | Do not breathe mist, vapours and spray.(P260) |
| | Wash hand thoroughly after handling.(P264) Wash eye thoroughly after handling.(P264) Do not eat, drink or smoke when using this product.(P270) |
| Response | |
| Precautionary Statements | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305+P351+P338) |

| | |
|---|--|
| Prevention Measures for Secondary Accidents | Prevent flowing into drain, sewage, basement, and closed area. Remove thoroughly since the smooth and slippery surface will be formed on the floor. |
|---|--|

Section 7 – HANDLING AND STORAGE

| | | |
|----------------------------------|--|--|
| Handling | Technical Measures | Provide ventilation system and use necessary personal protective equipment as described in "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION". |
| | Precautions for Safe Handling | Wash hand thoroughly after handling. 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. |
| | 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". 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 | 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 | orange |
| 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 |
| 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

| | |
|--|-------------------|
| 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. |
| 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 | Not applicable |
| | according to | |
| | MARPOL | |
| | 73/78,Annex II ,and | |
| | the IBC code | |
| | Regulatory | Not applicable |
| Regulations in Japan | Information by Air | |
| | 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 |
| Emergency Response | Information by Air | |
| Guide Number | | Not applicable |

Section 15 – REGULATORY INFORMATION

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

Section 16 – OTHER INFORMATION

Information Contact
Other Property

No information available
This information is furnished without warranty
express or implied.
This information is believed to be accurate to the
best knowledge of PENTEL Co., Ltd. but not
assumes leagal responsibility for use of or reliance
upon this information.

Safety Data Sheet (SDS)

Preparation Date 2011/11/18

Revision Date 2017/01/13

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

| | |
|--|---------------------------------------|
| Chemical Identifier | WDF9-G |
| Product Code | WDF9G00001 |
| 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 and Restriction on Use | ink S520-G,SES15C-G |

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

| | |
|----------------|--|
| Health Hazards | Serious eye damage/eye irritation Category 2B Reproductive toxicity Category 2 Specific target organ toxicity (single exposure) Category 2(respiratory apparatus,heart,kidney,central nervous system) Specific target organ toxicity (repeated exposure) Category 2(liver,respiratory apparatus,heart,central nervous system,kidney) Other hazards than mentioned above are Not applicable or Classification not possible. |
|----------------|--|

GHS Label Elements

Symbols



| | |
|-------------------------------------|---|
| Signal Word | Warning |
| Hazard Statements | H320 Causes eye irritation H361 Suspected of damaging fertility or the unborn child H371 May cause damage to respiratory apparatus,heart,kidney,central nervous system H373 May cause damage to liver,respiratory apparatus,heart,kidney,central nervous system through prolonged or repeated exposure |
| Precautionary Statements Prevention | Wear protective gloves.(P280) |
| Precautionary Statements | Do not breathe mist, vapours and spray.(P260) Wash hand thoroughly after handling.(P264) Wash eye thoroughly after handling.(P264) Do not eat, drink or smoke when using this product.(P270) |

Response
Precautionary
Statements
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. | |
| Ethylene glycol | 9% | HOCH ₂ CH ₂ OH | (2)-230 | Existing | 107-21-1 |
| Propylene glycol | 10% | HOCH ₂ CH(OH)CH ₃ | (2)-234 | 2-(8)-321 2-(8)-323 | 57-55-6 |
| Diethylene glycol | 9% | HOCH ₂ CH ₂ OCH ₂ CH ₂ OH | (2)-415 | Existing | 111-46-6 |
| 2-phenoxyethanol | 0.5% | | (3)-558 (7)-78 (9)-1277 | Existing | 122-99-6 |

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, CO₂, water spray or regular foam.

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures
Stay upwind.
Keep out of low areas.

| | | |
|---|--|---|
| 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. 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. |
| Prevention Measures for Secondary Accidents | | |

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 contact with eyes. Wash hand thoroughly after handling. 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 | 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". 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 | 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 | yelloow green/Light Green |
| 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 |
| | 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

| | |
|--|-------------------|
| 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. |
| 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. |
|---------------------------------------|---|

Safety Data Sheet (SDS)

Preparation Date 2011/11/18

Revision Date 2017/01/13

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

| | |
|--|---------------------------------------|
| Chemical Identifier | WDF1-N |
| Product Code | WDF1N00001 |
| 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 and Restriction on Use | ink S520-N,SES15C-N |

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

| | |
|----------------|---|
| Health Hazards | Serious eye damage/eye irritation Category 2B Specific target organ toxicity (single exposure) Category 1(respiratory apparatus,heart,kidney,central nervous system) Specific target organ toxicity (repeated exposure) Category 1(respiratory apparatus,heart,central nervous system) Other hazards than mentioned above are Not applicable or Classification not possible. |
|----------------|---|

GHS Label Elements

Symbols



| | |
|--------------------------|--|
| Signal Word | Danger |
| Hazard Statements | H320 Causes eye irritation H370 Causes damage to respiratory apparatus,heart,kidney,central nervous system H372 Causes damage to respiratory apparatus,heart,central nervous system through prolonged or repeated exposure |
| Precautionary Statements | |
| Prevention | |
| Precautionary Statements | Do not breathe mist, vapours and spray.(P260) Wash hand thoroughly after handling.(P264) Wash eye thoroughly after handling.(P264) Do not eat, drink or smoke when using this product.(P270) |
| Response | |
| Precautionary Statements | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305+P351+P338) |

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. Protect from high temperature and direct sunlight. |
| | Prevents Handling of Incompatible Substances or Mixtures | Refer to "Section 10 – STABILITY AND REACTIVITY". |
| Storage Precautionary Statements | Specific Hygiene Measures | Wash hand thoroughly after handling. |
| | 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". 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 | 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 | grey |
| 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 |
| Auto-Ignition | | No data available |

| | |
|--|--|
| Decomposition | No data available |
| Temperature | |
| 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 |
| 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. |
| 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 |
| | Not applicable |
| | Not applicable |

| | | |
|---------------------------------|--|----------------|
| | Transport in bulk according to MARPOL 73/78, Annex II, and the IBC code | Not applicable |
| Regulations in Japan | Regulatory Information by Air | Not applicable |
| | Regulatory Information by Road or Rail | Not applicable |
| | Regulatory Information by Sea | 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
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 2011/11/18

Revision Date 2017/01/13

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

| | |
|--|---------------------------------------|
| Chemical Identifier | WDF1-P |
| Product Code | WDF1P00001 |
| 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 and Restriction on Use | ink S520-P,SES15C-P |

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

| | |
|----------------|---|
| Health Hazards | Serious eye damage/eye irritation Category 2B Specific target organ toxicity (single exposure) Category 1(respiratory apparatus,heart,kidney,central nervous system) Specific target organ toxicity (repeated exposure) Category 1(respiratory apparatus,heart,central nervous system) Other hazards than mentioned above are Not applicable or Classification not possible. |
|----------------|---|

GHS Label Elements

Symbols



| | |
|--------------------------|--|
| Signal Word | Danger |
| Hazard Statements | H320 Causes eye irritation H370 Causes damage to respiratory apparatus,heart,kidney,central nervous system H372 Causes damage to respiratory apparatus,heart,central nervous system through prolonged or repeated exposure |
| Precautionary Statements | |
| Prevention | |
| Precautionary Statements | Do not breathe mist, vapours and spray.(P260) Wash hand thoroughly after handling.(P264) Wash eye thoroughly after handling.(P264) Do not eat, drink or smoke when using this product.(P270) |
| Response | |
| Precautionary Statements | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305+P351+P338) |

| | |
|---|--|
| Prevention Measures for Secondary Accidents | Prevent flowing into drain, sewage, basement, and closed area. Remove thoroughly since the smooth and slippery surface will be formed on the floor. |
|---|--|

Section 7 – HANDLING AND STORAGE

| | | |
|----------------------------------|--|--|
| Handling | Technical Measures | Provide ventilation system and use necessary personal protective equipment as described in "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION". |
| | Precautions for Safe Handling | Wash hand thoroughly after handling. 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. |
| | 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". 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 | 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 | pink |
| 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 |
| 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

| | |
|--|-------------------|
| 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. |
| 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 | Not applicable |
| | according to | |
| | MARPOL | |
| | 73/78,Annex II ,and | |
| | the IBC code | |
| | Regulatory | Not applicable |
| Regulations in Japan | Information by Air | |
| | 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 |
| Emergency Response | Information by Air | |
| 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 2011/11/18

Revision Date 2017/01/13

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

| | |
|--|---------------------------------------|
| Chemical Identifier | WDF1-S |
| Product Code | WDF1S00001 |
| 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 and Restriction on Use | ink S520-S,SES15C-S |

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

| | |
|----------------|---|
| Health Hazards | Acute toxicity – oral Category 4 Serious eye damage/eye irritation Category 2B Specific target organ toxicity (single exposure) Category 1(respiratory apparatus,heart,kidney,central nervous system) Specific target organ toxicity (repeated exposure) Category 1(respiratory apparatus,heart,central nervous system) Other hazards than mentioned above are Not applicable or Classification not possible. |
|----------------|---|

GHS Label Elements

Symbols



| | |
|--------------------------|---|
| Signal Word | Danger |
| Hazard Statements | H302 Harmful if swallowed H320 Causes eye irritation H370 Causes damage to respiratory apparatus,heart,kidney,central nervous system H372 Causes damage to respiratory apparatus,heart,central nervous system through prolonged or repeated exposure |
| Precautionary Statements | |
| Prevention | |
| Precautionary Statements | Do not breathe mist, vapours and spray.(P260) Wash hand thoroughly after handling.(P264) Wash eye thoroughly after handling.(P264) Do not eat, drink or smoke when using this product.(P270) |

| | |
|---|---|
| Prevention Measures for Secondary Accidents | 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 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. Protect from high temperature and direct sunlight. |
| | Prevents Handling of Incompatible Substances or Mixtures | Refer to "Section 10 – STABILITY AND REACTIVITY". |
| | Specific Hygiene Measures | Do not eat, drink or smoke when using this product. 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". Have containers keep away from direct sunlight and heat. Keep away from heat. Store locked up. |

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

| | | |
|-------------------------------|----------------|---|
| Engineering Controls | | Good general ventilation should be sufficient to control airborne levels. |
| Personal Protective Equipment | 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 | sky 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 | 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

| | |
|--|-------------------|
| 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. |
| 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 | Not applicable |
| | according to | |
| | MARPOL | |
| | 73/78,Annex II ,and | |
| | the IBC code | |
| | Regulatory | Not applicable |
| Regulations in Japan | Information by Air | |
| | 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 |
| Emergency Response | Information by Air | |
| 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 legal responsibility for use of or reliance upon this information.

Safety Data Sheet (SDS)

Preparation Date 2011/11/18

Revision Date 2017/01/13

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

| | |
|--|---------------------------------------|
| Chemical Identifier | WDF9-V |
| Product Code | WDF9V00001 |
| 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 and Restriction on Use | ink S520-V,SES15C-V |

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

| | |
|----------------|--|
| Health Hazards | Serious eye damage/eye irritation Category 2B Reproductive toxicity Category 2 Specific target organ toxicity (single exposure) Category 2(respiratory apparatus,heart,kidney,central nervous system) Specific target organ toxicity (repeated exposure) Category 2(liver,respiratory apparatus,heart,central nervous system,kidney) Other hazards than mentioned above are Not applicable or Classification not possible. |
|----------------|--|

GHS Label Elements

Symbols



| | |
|-------------------------------------|---|
| Signal Word | Warning |
| Hazard Statements | H320 Causes eye irritation H361 Suspected of damaging fertility or the unborn child H371 May cause damage to respiratory apparatus,heart,kidney,central nervous system H373 May cause damage to liver,respiratory apparatus,heart,kidney,central nervous system through prolonged or repeated exposure |
| Precautionary Statements Prevention | Wear protective gloves.(P280) |
| Precautionary Statements | Do not breathe mist, vapours and spray.(P260) Wash hand thoroughly after handling.(P264) Wash eye thoroughly after handling.(P264) Do not eat, drink or smoke when using this product.(P270) |

| | |
|---|--|
| Response Precautionary Statements | 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. | |
| Ethylene glycol | 9% | HOCH ₂ CH 2OH | (2)-230 | Existing | 107-21-1 |
| Propylene glycol | 2.4% | HOCH ₂ CH (OH)CH ₃ | (2)-234 | 2-(8)-321 2-(8)-323 | 57-55-6 |
| Diethylene glycol | 9% | HOCH ₂ CH 2OCH ₂ C H ₂ OH | (2)-415 | Existing | 111-46-6 |
| 2-phenoxyethanol | 0.5% | | (3)-558 (7)-78 (9)-1277 | Existing | 122-99-6 |

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, CO₂, water spray or regular foam.

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions,
Protective Equipment and
Emergency Procedures

Stay upwind.

Keep out of low areas.

| | | |
|---|--|---|
| 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. 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. |
| Prevention Measures for Secondary Accidents | | |

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 contact with eyes. Wash hand thoroughly after handling. 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. |
| | 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". 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 | 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 | purple |
| 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 |
| | 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

| | |
|--|-------------------|
| 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. |
| 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. |
|---------------------------------------|---|

Safety Data Sheet (SDS)

Preparation Date 2011/11/18

Revision Date 2017/01/13

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

| | |
|--|---------------------------------------|
| Chemical Identifier | WDF1-Y |
| Product Code | WDF1Y00001 |
| 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 and Restriction on Use | ink S520-Y,SES15C-Y |

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

| | |
|----------------|---|
| Health Hazards | Serious eye damage/eye irritation Category 2B Specific target organ toxicity (single exposure) Category 1(respiratory apparatus,heart,kidney,central nervous system) Specific target organ toxicity (repeated exposure) Category 1(respiratory apparatus,heart,central nervous system) Other hazards than mentioned above are Not applicable or Classification not possible. |
|----------------|---|

GHS Label Elements

Symbols



| | |
|--------------------------|--|
| Signal Word | Danger |
| Hazard Statements | H320 Causes eye irritation H370 Causes damage to respiratory apparatus,heart,kidney,central nervous system H372 Causes damage to respiratory apparatus,heart,central nervous system through prolonged or repeated exposure |
| Precautionary Statements | |
| Prevention | Do not breathe mist, vapours and spray.(P260) |
| 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 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305+P351+P338) |
| Precautionary Statements | |

| | |
|---|--|
| Prevention Measures for Secondary Accidents | Prevent flowing into drain, sewage, basement, and closed area. Remove thoroughly since the smooth and slippery surface will be formed on the floor. |
|---|--|

Section 7 – HANDLING AND STORAGE

| | | |
|----------------------------------|--|--|
| Handling | Technical Measures | Provide ventilation system and use necessary personal protective equipment as described in "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION". |
| | Precautions for Safe Handling | Wash hand thoroughly after handling. 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. |
| | 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". 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 | 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 | yellow ochre |
| 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 |
| 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

| | |
|--|-------------------|
| 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. |
| 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 | Not applicable |
| | according to | |
| | MARPOL | |
| | 73/78,Annex II ,and | |
| | the IBC code | |
| | Regulatory | Not applicable |
| Regulations in Japan | Information by Air | |
| | 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 |
| Emergency Response | Information by Air | |
| 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.