

Material Safety Data Sheet

1 Identification of the substance/preparation and of the company/undertaking

Product details

Trade name : TP5618C

Application of the substance / the preparation: Digital textile inkjet print

Manufacturer/supplier

Zhongshan Taotech Digital Technology Co., Ltd

No. 6-2, Jinhua Zhong Road, Zhongshan city, Guangdong, China

Tel no.(86) 760-88667090

Further information obtainable from: Zhongshan Taotech Digital Technology Co., Ltd

2 Composition/information on ingredients

Chemical characterization: Mixtures

Description:

Mixture of substances listed below with nonhazardous additions.

For the wording of the listed risk phrases refer to section 16.

Additional information:

CAS: Trade Secret	Humectant	6-30 %
CAS: Trade Secret	Polymers	5-30 %
CAS: 147-14-8	C.I. Pigment Blue	1-5 %
CAS: 7732-18-5	Water	35-88 %

3 Hazards identification

Hazard description: Not applicable

Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU "in the latest valid version .

Classification system:

The classification is according to the latest additions of the EU-lists, and extended by company and literature data.

4 First aid measures

General information: No special measures required.

After inhalation:

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes running water. Then consult a doctor.

After swallowing: Induce vomiting and call for medical help.

5 Fire-fighting measures**Suitable extinguishing agents:**

Use fire extinguishing methods suitable to surrounding conditions.

Water, Dry Chemical, Carbon Dioxide, Foam.

Protective equipment

Mouth respiratory protective device.

Wear fully protective suit.

6 Accidental release measures

Person-related safety precautions: Not required.

Measures for environmental protection: Do not allow to enter sewers/surface or ground water.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Additional information: No dangerous substances are released.

7 Handling and storage**Handling**

Information for safe handling: Good Industrial practice handle this product with care and avoid personal contact.

Information about fire-and explosion protection: No special measures required.

Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Store at 5°C-35°C.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No fur data; see item 7.

Ingredients with limit values that require monitoring at the workplace:**107-21-1 Ethanediol**

US(WEEL)	Short term value = 104** mg/m ³ , 40** ppm Long term value = 10*52** mg/m ³ , 20** ppm Sk *particulate**vapor
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Additional information: The lists valid during the making were used as basis.

Personal protective equipment:**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Use OSHA/NIOSH approved dust mask respirator. Local exhaust is preferred and most effective. Mechanical and general ventilation is less effective. Use natural ventilation if possible.

Protection of hands:

The glove material has to be impermeable and resistant to the product the substance the preparation. Due to missing tests no recommendation to the glove material can be given for product the preparation the chemical mixture. Selection of the glove material on consideration of penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable glove does not only depend on the material, but also on further marks of quality and varies from manufacture to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Plastic or rubber gloves.

Penetration time of glove material:

The exact break through time has to be found out by the manufacture of the protective gloves and has to be observed.

Eye protection: Goggles recommended during refilling.

9 Physical and chemical properties

General Information

Form: Liquid
 Colour: Cyan
 Odour: Fragrance

Change in condition

Melting point/Melting range: Not Available
 Boiling point/Boiling range: 95~110°C

Flash point: Not Available

Flammability(solid,gaseous): Not Available

Ignition temperature: Not Available

Self-igniting: Product is not selfigniting.

Danger of explosin: Product does not present an explosin hazard.

Explosion limits

Lower: Not Available

Upper: Not Available

Oxidizing properties: Not Available

Vapour pressure: Not Available

Density: 1,05~1,15

Relative density: Not Available

Vapour density: Not Available

Evaporation rate: Not Available

Solubility in/Miscibility with

Water: Fully miscible

PH-value 7~ 9

Viscosity: 2~ 5mpas

10 stability and reactivity

Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions: No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Acute toxicity:

LD50	7.9 gr/Kg human body
LC50	1.7 gr/L

Primary irritant effect:

On the skin: No irritating effect

On the eye: No irritating effect

Sensitization: No sensitization possible through skin contact.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information

General notes:

Water hazard class I (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

Product

Recommendation: Smaller quantities can be disposed of with household waste.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

14 Transport information

Land transport ADR/RID (cross-border)

ADR/RID class: - N/A

Danger code (kemler): - N/A

UN-Number: - N/A

Hazard label: - N/A

Description of goods: - N/A

Maritime transport IMDG

IMDG Class: - N/A

UN-Number: -

Label: -

Packaging group: -

EMS Number: -

Marine pollutant: No

Proper shipping name: -

Air transport ICAO-TI and IATA-DGR

ICAO/IATA Class: -

UN/ID Number: -

Label: -

Packaging group: -

Proper shipping name: -

15 Regulatory information

Sara

Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (Specific toxic chemical listings): None of the ingredients is listed.

TSCA (Toxic Substances Control Act): All components of material are on the US TSCA Inventory.

Proposition 65

Chemicals known to cause cancer: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause development toxicity: None of the ingredients is listed.

Carcinogenicity categories

EPA (Environmental Protection Agency): None of the ingredients is listed.

IARC (International Agency for Research on Cancer): None of the ingredients is listed.

NTP (National Toxicology Program): None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH): None of the ingredients is listed.

MAK (German Maximum Workplace Concentration): None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed.

OSHA-CA (Occupational Safety & Health Administration): None of the ingredients is listed.

Labelling according to guidelines:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and Ordinance on Hazardous Materials (German GefStoffV).

Special labelling of certain preparations: Safety data sheet available for professional user on request.

16 Other information

Relevant R-phrases

R22 Highly flammable.
R36 Irritating to eyes.

The contents and format of this MSDS are in accordance with EEC Commission Directive 2001/58/EC, 1999/45/EC, 1967/548/EEC.

DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

End of document

Material Safety Data Sheet

1 Identification of the substance/preparation and of the company/undertaking

Product details

Trade name : TP5618M

Application of the substance / the preparation: Digital textile inkjet print

Manufacturer/supplier

Zhongshan Taotech Digital Technology Co., Ltd

No. 6-2, Jinhua Zhong Road, Zhongshan city, Guangdong, China

Tel no.(86) 760-88667090

Further information obtainable from: Zhongshan Taotech Digital Technology Co., Ltd

2 Composition/information on ingredients

Chemical characterization: Mixtures

Description:

Mixture of substances listed below with nonhazardous addions.

For the wording of the listed risk phrases refer to seccion 16.

Additional information:

CAS: Trade Secret	Humectant	6-30 %
CAS: Trade Secret	Polymers	5-30 %
CAS: Trade Secret	Quinacridone Pigment	1-5 %
CAS: 7732-18-5	Water	35-88 %

3 Hazards identification

Hazard description: Not applicable

In formation concerning particular hazards for human and environment:

The product does not have to be lablled due to the calculation pricedure of the "General Classification guideline for preparations of the EU "in the latest valid version .

Classification system:

The classification is according to the latest aditions of the EU-lists,and extended by company and literature data.

4 First aid measures

General information: No special measures required.

After inhalation:

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact

If skin irritation continues,consult a doctor.

Immediately wash with water and soap and rinse throughly.

After eye contact: Rinse opened eye for several minutes running water.Then consult a doctor.

After swallowing: Induce vomiting and call for medical help.

5 Fire-fighting measures

Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

Water, Dry Chemical, Carbon Dioxide, Foam.

Protective equipment

Mouth respiratory protective device.

Wear fully protective suit.

6 Accidental release measures

Person-related safety precautions: Not required.

Measures for environmental protection: Do not allow to enter sewers/surface or ground water.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Additional information: No dangerous substances are released.

7 Handling and storage

Handling

Information for safe handling: Good Industrial practice handle this product with care and avoid personal contact.

Information about fire-and explosion protection: No special measures required.

Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Store at 5°C-35°C.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No fur data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

107-21-1 Ethanediol

US(WEEL)	Short term value = 104** mg/m ³ , 40** ppm Long term value = 10*52** mg/m ³ , 20** ppm Sk *particulate**vapor
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Additional information: The lists valid during the making were used as basis.

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Use OSHA/NIOSH approved dust mask respirator. Local exhaust is preferred and most effective. Mechanical and general ventilation is less effective. Use natural ventilation if possible.

Protection of hands:

The glove material has to be impermeable and resistant to the product the substance the preparation. Due to missing tests no recommendation to the glove material can be given for product the preparation the chemical mixture. Selection of the glove material on consideration of penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable glove does not only depend on the material, but also on further marks of quality and varies from manufacture to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Plastic or rubber gloves.

Penetration time of glove material:

The exact break through time has to be found out by the manufacture of the protective gloves and has to be observed.

Eye protection: Goggles recommended during refilling.

9 Physical and chemical properties

General Information

Form: Liquid
 Colour: Magenta
 Odour: Fragrance

Change in condition

Melting point/Melting range: Not Available
 Boiling point/Boiling range: 95~110°C

Flash point: Not Available

Flammability(solid,gaseous): Not Available

Ignition temperature: Not Available

Self-igniting: Product is not selfigniting.

Danger of explosin: Product does not present an explosin hazard.

Explosion limits

Lower: Not Available

Upper: Not Available

Oxidizing properties: Not Available

Vapour pressure: Not Available

Density: 1,05~1,15

Relative density: Not Available

Vapour density: Not Available

Evaporation rate: Not Available

Solubility in/Miscibility with

Water: Fully miscible

PH-value 7~ 9

Viscosity: 2~ 5mpas

10 stability and reactivity

Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions: No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Acute toxicity:

LD50	7.9 gr/Kg human body
LC50	1.7 gr/L

Primary irritant effect:

On the skin: No irritating effect

On the eye: No irritating effect

Sensitization: No sensitization possible through skin contact.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information

General notes:

Water hazard class I (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

Product

Recommendation: Smaller quantities can be disposed of with household waste.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

14 Transport information

Land transport ADR/RID (cross-border)

ADR/RID class: - N/A

Danger code (kemler): - N/A

UN-Number: - N/A

Hazard label: - N/A

Description of goods: - N/A

Maritime transport IMDG

IMDG Class: - N/A

UN-Number: -

Label: -

Packaging group: -

EMS Number: -

Marine pollutant: No

Proper shipping name: -

Air transport ICAO-TI and IATA-DGR

ICAO/IATA Class: -

UN/ID Number: -

Label: -

Packaging group: -

Proper shipping name: -

15 Regulatory information

Sara

Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (Specific toxic chemical listings): None of the ingredients is listed.

TSCA (Toxic Substances Control Act): All components of material are on the US TSCA Inventory.

Proposition 65

Chemicals known to cause cancer: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause development toxicity: None of the ingredients is listed.

Carcinogenicity categories

EPA (Environmental Protection Agency): None of the ingredients is listed.

IARC (International Agency for Research on Cancer): None of the ingredients is listed.

NTP (National Toxicology Program): None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH): None of the ingredients is listed.

MAK (German Maximum Workplace Concentration): None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed.

OSHA-CA (Occupational Safety & Health Administration): None of the ingredients is listed.

Labelling according to guidelines:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and Ordinance on Hazardous Materials (German GefStoffV).

Special labelling of certain preparations: Safety data sheet available for professional user on request.

16 Other information

Relevant R-phrases

R22 Highly flammable.
R36 Irritating to eyes.

The contents and format of this MSDS are in accordance with EEC Commission Directive 2001/58/EC, 1999/45/EC, 1967/548/EEC.

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End of document

Material Safety Data Sheet

1 Identification of the substance/preparation and of the company/undertaking

Product details

Trade name : TP5618BK

Application of the substance / the preparation: Digital textile inkjet print

Manufacturer/supplier

Zhongshan Taotech Digital Technology Co., Ltd

No. 6-2, Jinhua Zhong Road, Zhongshan city, Guangdong, China

Tel no.(86) 760-88667090

Further information obtainable from: Zhongshan Taotech Digital Technology Co., Ltd

2 Composition/information on ingredients

Chemical characterization: Mixtures

Description:

Mixture of substances listed below with nonhazardous addions.

For the wording of the listed risk phrases refer to seccion 16.

Additional information:

CAS: Trade Secret	Humectant	6-30 %
CAS: Trade Secret	Polymers	5-30 %
CAS: 1333-86-4	C.I. Pigment Black 7	1-5 %
CAS: 7732-18-5	Water	35-88 %

3 Hazards identification

Hazard description: Not applicable

In formation concerning particular hazards for human and environment:

The product does not have to be lablled due to the calculation pricedure of the "General Classification guideline for preparations of the EU "in the latest valid version .

Classification system:

The classification is according to the latest aditions of the EU-lists,and extended by company and literature data.

4 First aid measures

General information: No special measures required.

After inhalation:

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact

If skin irritation continues,consult a doctor.

Immediately wash with water and soap and rinse throughly.

After eye contact: Rinse opened eye for several minutes running water.Then consult a doctor.

After swallowing: Induce vomiting and call for medical help.

5 Fire-fighting measures**Suitable extinguishing agents:**

Use fire extinguishing methods suitable to surrounding conditions.

Water, Dry Chemical, Carbon Dioxide, Foam.

Protective equipment

Mouth respiratory protective device.

Wear fully protective suit.

6 Accidental release measures

Person-related safety precautions: Not required.

Measures for environmental protection: Do not allow to enter sewers/surface or ground water.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Additional information: No dangerous substances are released.

7 Handling and storage**Handling**

Information for safe handling: Good Industrial practice handle this product with care and avoid personal contact.

Information about fire-and explosion protection: No special measures required.

Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Store at 5°C-35°C.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No fur data; see item 7.

Ingredients with limit values that require monitoring at the workplace:**107-21-1 Ethanediol**

US(WEEL)	Short term value = 104** mg/m ³ , 40** ppm Long term value = 10*52** mg/m ³ , 20** ppm Sk *particulate**vapor
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Additional information: The lists valid during the making were used as basis.

Personal protective equipment:**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Use OSHA/NIOSH approved dust mask respirator. Local exhaust is preferred and most effective. Mechanical and general ventilation is less effective. Use natural ventilation if possible.

Protection of hands:

The glove material has to be impermeable and resistant to the product the substance the preparation. Due to missing tests no recommendation to the glove material can be given for product the preparation the chemical mixture. Selection of the glove material on consideration of penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable glove does not only depend on the material, but also on further marks of quality and varies from manufacture to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Plastic or rubber gloves.

Penetration time of glove material:

The exact break through time has to be found out by the manufacture of the protective gloves and has to be observed.

Eye protection: Goggles recommended during refilling.

9 Physical and chemical properties

General Information

Form: Liquid
 Colour: Black
 Odour: Fragrance

Change in condition

Melting point/Melting range: Not Available
 Boiling point/Boiling range: 95~110°C

Flash point: Not Available

Flammability(solid,gaseous): Not Available

Ignition temperature: Not Available

Self-igniting: Product is not selfigniting.

Danger of explosin: Product does not present an explosin hazard.

Explosion limits

Lower: Not Available

Upper: Not Available

Oxidizing properties: Not Available

Vapour pressure: Not Available

Density: 1,05~1,15

Relative density: Not Available

Vapour density: Not Available

Evaporation rate: Not Available

Solubility in/Miscibility with

Water: Fully miscible

PH-value 7~ 9

Viscosity: 2~ 5mpas

10 stability and reactivity

Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions: No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Acute toxicity:

LD50	7.9 gr/Kg human body
LC50	1.7 gr/L

Primary irritant effect:

On the skin: No irritating effect

On the eye: No irritating effect

Sensitization: No sensitization possible through skin contact.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information**General notes:**

Water hazard class I (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations**Product**

Recommendation: Smaller quantities can be disposed of with household waste.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

14 Transport information**Land transport ADR/RID (cross-border)**

ADR/RID class: - N/A

Danger code (kemler): - N/A

UN-Number: - N/A

Hazard label: - N/A

Description of goods: - N/A

Maritime transport IMDG

IMDG Class: - N/A

UN-Number: -

Label: -

Packaging group: -

EMS Number: -

Marine pollutant: No

Proper shipping name: -

Air transport ICAO-TI and IATA-DGR

ICAO/IATA Class: -

UN/ID Number: -

Label: -

Packaging group: -

Proper shipping name: -

15 Regulatory information**Sara**

Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (Specific toxic chemical listings): None of the ingredients is listed.

TSCA (Toxic Substances Control Act): All components of material are on the US TSCA Inventory.

Proposition 65

Chemicals known to cause cancer: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause development toxicity: None of the ingredients is listed.

Carcinogen categories

EPA (Environmental Protection Agency): None of the ingredients is listed.

IARC (International Agency for Research on Cancer): None of the ingredients is listed.

NTP (National Toxicology Program): None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH): None of the ingredients is listed.

MAK (German Maximum Workplace Concentration): None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed.

OSHA-CA (Occupational Safety & Health Administration): None of the ingredients is listed.

Labelling according to guidelines:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and Ordinance on Hazardous Materials (German GefStoffV).

Special labelling of certain preparations: Safety data sheet available for professional user on request.

16 Other information

Relevant R-phrases

R22 Highly flammable.
R36 Irritating to eyes.

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End of document

Material Safety Data Sheet

1 Identification of the substance/preparation and of the company/undertaking

Product details

Trade name : TP5618W

Application of the substance / the preparation: Digital textile inkjet print

Manufacturer/supplier

Zhongshan Taotech Digital Technology Co., Ltd

No. 6-2, Jinhua Zhong Road, Zhongshan city, Guangdong, China

Tel no.(86) 760-88667090

Further information obtainable from: Zhongshan Taotech Digital Technology Co., Ltd

2 Composition/information on ingredients

Chemical characterization: Mixtures

Description:

Mixture of substances listed below with nonhazardous additions.

For the wording of the listed risk phrases refer to section 16.

Additional information:

CAS: Trade Secret	Humectant	4-50 %
CAS: Trade Secret	Polymers	5-30 %
CAS: Trade Secret	Titanium oxide	1-15 %
CAS: 7732-18-5	Water	5-90 %

3 Hazards identification

Hazard description: Not applicable

Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU "in the latest valid version .

Classification system:

The classification is according to the latest additions of the EU-lists, and extended by company and literature data.

4 First aid measures

General information: No special measures required.

After inhalation:

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes running water. Then consult a doctor.

After swallowing: Induce vomiting and call for medical help.

5 Fire-fighting measures**Suitable extinguishing agents:**

Use fire extinguishing methods suitable to surrounding conditions.

Water, Dry Chemical, Carbon Dioxide, Foam.

Protective equipment

Mouth respiratory protective device.

Wear fully protective suit.

6 Accidental release measures

Person-related safety precautions: Not required.

Measures for environmental protection: Do not allow to enter sewers/surface or ground water.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Additional information: No dangerous substances are released.

7 Handling and storage**Handling**

Information for safe handling: Good Industrial practice handle this product with care and avoid personal contact.

Information about fire-and explosion protection: No special measures required.

Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Store at 5°C-35°C.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No fur data; see item 7.

Ingredients with limit values that require monitoring at the workplace:**107-21-1 Ethanediol**

US(WEEL)	Short term value = 104** mg/m ³ , 40** ppm Long term value = 10*52** mg/m ³ , 20** ppm Sk *particulate**vapor
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Additional information: The lists valid during the making were used as basis.

Personal protective equipment:**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Use OSHA/NIOSH approved dust mask respirator. Local exhaust is preferred and most effective. Mechanical and general ventilation is less effective. Use natural ventilation if possible.

Protection of hands:

The glove material has to be impermeable and resistant to the product the substance the preparation. Due to missing tests no recommendation to the glove material can be given for product the preparation the chemical mixture. Selection of the glove material on consideration of penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable glove does not only depend on the material, but also on further marks of quality and varies from manufacture to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Plastic or rubber gloves.

Penetration time of glove material:

The exact break through time has to be found out by the manufacture of the protective gloves and has to be observed.

Eye protection: Goggles recommended during refilling.

9 Physical and chemical properties

General Information

Form: Liquid
 Colour: White
 Odour: Fragrance

Change in condition

Melting point/Melting range: Not Available
 Boiling point/Boiling range: 95~110°C

Flash point: Not Available

Flammability(solid,gaseous): Not Available

Ignition temperature: Not Available

Self-igniting: Product is not selfigniting.

Danger of explosin: Product does not present an explosin hazard.

Explosion limits

Lower: Not Available

Upper: Not Available

Oxidizing properties: Not Available

Vapour pressure: Not Available

Density: 1,05~1,15

Relative density: Not Available

Vapour density: Not Available

Evaporation rate: Not Available

Solubility in/Miscibility with

Water: Fully miscible

PH-value 7~ 9

Viscosity: 3~ 5 mPas

10 stability and reactivity

Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions: No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Acute toxicity:

LD50	7.9 gr/Kg human body
LC50	1.7 gr/L

Primary irritant effect:

On the skin: No irritating effect

On the eye: No irritating effect

Sensitization: No sensitization possible through skin contact.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information

General notes:

Water hazard class I (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

Product

Recommendation: Smaller quantities can be disposed of with household waste.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

14 Transport information

Land transport ADR/RID (cross-border)

ADR/RID class: - N/A

Danger code (kemler): - N/A

UN-Number: - N/A

Hazard label: - N/A

Description of goods: - N/A

Maritime transport IMDG

IMDG Class: - N/A

UN-Number: -

Label: -

Packaging group: -

EMS Number: -

Marine pollutant: No

Proper shipping name: -

Air transport ICAO-TI and IATA-DGR

ICAO/IATA Class: -

UN/ID Number: -

Label: -

Packaging group: -

Proper shipping name: -

15 Regulatory information

Sara

Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (Specific toxic chemical listings): None of the ingredients is listed.

TSCA (Toxic Substances Control Act): All components of material are on the US TSCA Inventory.

Proposition 65

Chemicals known to cause cancer: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause development toxicity: None of the ingredients is listed.

Carcinogenity categories

EPA (Environmental Protection Agency): None of the ingredients is listed.

IARC (International Agency for Research on Cancer): None of the ingredients is listed.

NTP (National Toxicology Program): None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH): None of the ingredients is listed.

MAK (German Maximum Workplace Concentration): None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed.

OSHA-CA (Occupational Safety & Health Administration): None of ingredients is listed.

Labelling according to guidelines:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and Ordinance on Hazardous Materials (German GefStoffv).

Special labelling of certain preparations: Safety data sheet available for professional user on request.

16 Other information

Relevant R-phrases

R22 Highly flammable.
R36 Irritating to eyes.

The contents and format of this MSDS are in accordance with EEC Commission Directive 2001/58/EC, 1999/45/EC, 1967/548/EEC.

DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

End of document

Material Safety Data Sheet

1 Identification of the substance/preparation and of the company/undertacking

Product details

Trade name : TP5618Y

Application of the substance / the preparation: Digital textile inkjet print

Manufacturer/supplier

Zhongshan Taotech Digital Technology Co., Ltd

No. 6-2, Jinhua Zhong Road, Zhongshan city, Guangdong, China

Tel no.(86) 760-88667090

Further information obtainable from:Zhongshan Taotech Digital Technology Co., Ltd

2 Compostion/information on ingredients

Chemical characterization: Mixtures

Description:

Mixture of substances listed below with nonhazardous addions.

For the wording of the listed risk phrases refer to seccion 16.

Additional information:

CAS: Trade Secret	Humectant	6-30 %
CAS: Trade Secret	Polymers	5-30 %
CAS: Trade Secret	C.I. Pigment Yellow	1-5 %
CAS: 7732-18-5	Water	35-88 %

3 Hazards identification

Hazard description: Not applicable

In formation concerning particular hazards for human and environment:

The product does not have to be lablled due to the calculation pricedure of the "General Classification guideline for preparations of the EU "in the latest valid version .

Classification system:

The classification is according to the latest aditions of the EU-lists,and extended by company and literature data.

4 First aid measures

General information: No special measures required.

After inhalation:

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact

If skin irritation continues,consult a doctor.

Immediately wash with water and soap and rinse throughly.

After eye contact: Rinse opened eye for several minutes running water.Then consult a doctor.

After swallowing: Induce vomiting and call for medical help.

5 Fire-fighting measures**Suitable extinguishing agents:**

Use fire extinguishing methods suitable to surrounding conditions.

Water, Dry Chemical, Carbon Dioxide, Foam.

Protective equipment

Mouth respiratory protective device.

Wear fully protective suit.

6 Accidental release measures

Person-related safety precautions: Not required.

Measures for environmental protection: Do not allow to enter sewers/surface or ground water.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Additional information: No dangerous substances are released.

7 Handling and storage**Handling**

Information for safe handling: Good Industrial practice handle this product with care and avoid personal contact.

Information about fire-and explosion protection: No special measures required.

Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Store at 5°C-35°C.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No fur data; see item 7.

Ingredients with limit values that require monitoring at the workplace:**107-21-1 Ethanediol**

US(WEEL)	Short term value = 104** mg/m ³ , 40** ppm Long term value = 10*52** mg/m ³ , 20** ppm Sk *particulate**vapor
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Additional information: The lists valid during the making were used as basis.

Personal protective equipment:**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Use OSHA/NIOSH approved dust mask respirator. Local exhaust is preferred and most effective. Mechanical and general ventilation is less effective. Use natural ventilation if possible.

Protection of hands:

The glove material has to be impermeable and resistant to the product the substance the preparation. Due to missing tests no recommendation to the glove material can be given for product the preparation the chemical mixture. Selection of the glove material on consideration of penetration times, rates of diffusion and the degradation.

Material of gloves:

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Eye protection: Goggles recommended during refilling.

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General Information

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Water: Fully miscible

PH-value 7~ 9

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Danger code (kemler): - N/A

UN-Number: - N/A

Hazard label: - N/A

Description of goods: - N/A

Maritime transport IMDG

IMDG Class: - N/A

UN-Number: -

Label: -

Packaging group: -

EMS Number: -

Marine pollutant: No

Proper shipping name: -

Air transport ICAO-TI and IATA-DGR

ICAO/IATA Class: -

UN/ID Number: -

Label: -

Packaging group: -

Proper shipping name: -

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End of document