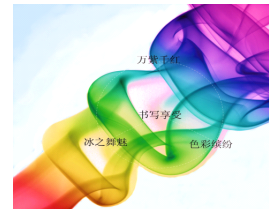


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Safety Data Sheet

(According to 2006/1907/EC)

1. Identification of the Substance/Preparation/Company

Product details

Trade name: Highlighter Ink / FT-BLE-P Blue

Substance/Mixture: Mixture/preparation

Form: Fluid

Relevant identified uses advised against

Identified uses: Laboratory chemicals, Manufacture of the substance/mixture

Product type: _

Manufacturer /Supplier:

Shanghai University Nano-Science & Technology Institute Special Ink R&D Department

No.149 Yanchang Road, Shanghai, China

Phone: 86-21-56331532

Fax: 86-21-56331117

Web: www.inksh.com

Further information obtainable from:

Technical service, Howard Young

Tel: 86-021-56331532

Mobile: 86-13761677741

Information in case of emergency:

Tel: 86-13761677741

2. Hazards identification

The preparation isn't classified hazardous according European regulation

- Emergency overview

Caution! May be harmful if swallowed or inhaled. May cause irritation of skin, eyes, respiratory organs or gastrointestinal organs.

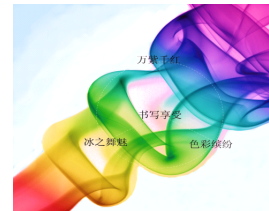
- Primary routes of exposure:

Eye contact / Skin contact / Inhalation / Ingestion

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3. Composition /information on ingredients

Chemical characterization

Mixture of the following substances

Description : Mixture of substances listed below with nonhazardous additions

| Components: | | | | |
|---------------|------------|-------------|----------------|------|
| EINECS/ELINCS | CAS | Common Name | Classification | Conc |
| — | 56-81-5 | GLYCEROL | Non-dangerous | 25% |
| — | 55840-82-8 | SF-3038 | Non-dangerous | 25% |
| — | 7732-18-5 | WATER | Non-dangerous | 50% |
| | | | | |

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

4. First –aid measures

Inhalation: Move the affected person away from the contaminated area and into the fresh air

Skin contact: Immediately wash and rinse with plenty of water

Eye contact: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 min. minimum)
Always refer to an eye specialist, even if there are no mediate symptoms.

Ingestion: Never attempt to induce vomiting . Call a doctor immediately

5. Fire –fighting measures

Suitable extinguishing media : Carbon dioxide (CO2). Foam. Powders

Not suitable extinguishing media : None to our knowledge. If there is a fire close by using suitable extinguishing agents

Specific hazards : During combustion: Toxic vapors may be released if product is heated to dryness.

Specific fire fighting methods : Do not attempt to fight the fire without suitable protective equipment may intervene

Protection of fire-fighters: Self-contained breathing apparatus Complete protective clothing

6. Accidental release measure

Personal precautions : Avoid contact with skin and eyes .Do not breathe vapour; Do not smoking..

Environmental precautions : Do not discharge into drains and rivers

Methods for cleaning up :

Neutralization : Absorb spillage with: inert absorbent material earth or sand

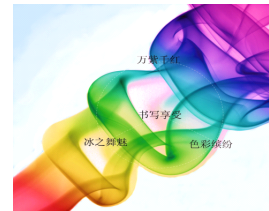
Cleaning/decontamination : Wash non-recoverable remainder with large amounts of water

Disposal : Dispose of contaminated materials in accordance with current regulations

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7. Handling and storage

HANDLING

Technical measures : Vapour extraction at source . Material and equipment suitable for use with Strongly colored water based liquids.

Precautions : Avoid any direct contact with the product . Work in a well-ventilated area .Smoking is forbidden.
Avoid the build-up of electrostatic charge.

STORAGE

Technical measures : The floor of the depot must be impermeable, noncombustible and designed to form a basin, in order that stored liquids should not, under any circumstances, be released outside

Storage conditions :

Recommended : Store: in a cool, well-ventilated area, the container tightly closed away from any source of ignition

Incompatible materials : Strong oxidizing agents

Packaging materials :

Not suitable : Can cause some metals to rust

8. Exposure controls / personal protection

Engineering measures : Ensure good ventilation of the work station .Extraction to remove vapours at their source

Occupational exposure limits :

France : Ethylene Glycol

Personal protective equipment :

Respiratory protection : In the event of insufficient ventilation:.,Suitable breathing apparatus

Hand protection : Impermeable protective gloves

Eye protection : Safety spectacles

Skin and body protection : Suitable clothing

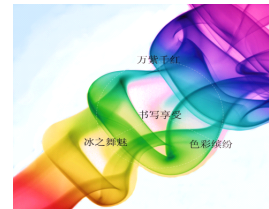
Collective emergency equipment : Eye fountain .Safety shower

Hygiene measures : Do not drink, eat or smoke in the workplace

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9. Physical and chemical properties

| |
|--|
| General Information |
| Form : Fluid Colour : blue Odour : watery slightly |
| Ignition temperature : 287 °C |
| Self-igniting : Not determined |
| Danger of explosion : product does not present an explosion hazard |
| PH : 7.0-8.3 |
| Vapour density (air=1) : greater than 1 |
| Solubility in water : Miscible (in all proportions) in organic solvents : Miscible (in all proportions) with: glycerol |

10. Stability and reactivity

Stability : Stable at ambient temperature and under normal conditions of use

Hazardous reactions :

Conditions to avoid : May ignite on heating to dryness when all water is evaporated

Materials to avoid : Strong oxidizing agents

Hazardous decomposition

Products : On combustion or on thermal decomposition

(pyrolysis) releases : Carbon oxides (CO, CO₂)

11. Toxicological information

Acute toxicity : Vapours may cause drowsiness and dizziness

Acute symptoms : On ingestion: Nausea., Vomiting., Central Nervous, System depressant ,

On inhalation: Dizziness, Headaches

Local effects : At high concentrations, the vapours can be irritating to the eyes, nose and throat .Repeated or prolonged contact may cause slight ,irritation to the skin

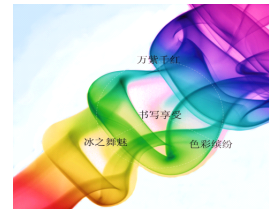
Eye contact : May cause severe ocular lesions

Further information : Above information is for the ink. The ink will be contained in the fibrous reservoir of a small capacity marker containing 3 grams or less which will limit considerably the exposure possibilities for the user.

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12. Ecological information

ECOTOXICITY : Effects on the aquatic environment: Ethylene Glycol
May cause adverse effects to the aquatic environment.

13. Disposal considerations

WASTE FROM PRODUCT :
Destruction/Disposal : Dispose of in accordance with relevant local regulations
CONTAMINATED PACKAGING :
Destruction/disposal : Destroy at an authorized site
NOTE : The user's attention is drawn to the possible existence of specific European, national or
Local regulations regarding disposal.

14. Transport information

International regulations : Not regulated

15. Regulatory information

The product is no classified in accordance with European Regulation on hazardous substance: Directive 67/548/CE 30ème adaptation and on hazardous preparations: Directive 2006/8/CE

National prescriptions :

France : Maladies professionnelles (tableaux (x) n° 84) concern

NOTE : The regulatory information given above only indicate the principal regulations specifically applicable to the product described in the MSDS.

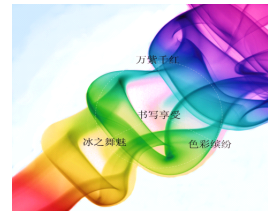
16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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Safety Data Sheet

(According to 2006/1907/EC)

1. Identification of the Substance/Preparation/Company

Product details

Trade name: highlighter Ink / FT-G-P Green

Substance/Mixture: Mixture/preparation

Form: Fluid

Relevant identified uses advised against

Identified uses: Laboratory chemicals, Manufacture of the substance/mixture

Product type: _

Manufacturer /Supplier:

Shanghai University Nano-Science & Technology Institute Special Ink R&D Department

No.149 Yanchang Road, Shanghai, China

Phone: 86-21-56331532

Fax: 86-21-56331117

Web: www.inksh.com

Further information obtainable from:

Technical service, Howard Young

Tel: 86-021-56331532

Mobile: 86-13761677741

Information in case of emergency:

Tel: 86-13761677741

2. Hazards identification

The preparation isn't classified hazardous according European regulation

- Emergency overview

Caution! May be harmful if swallowed or inhaled. May cause irritation of skin, eyes, respiratory organs or gastrointestinal organs.

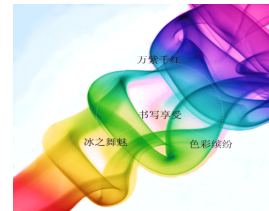
- Primary routes of exposure:

Eye contact / Skin contact / Inhalation / Ingestion

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3. Composition /information on ingredients

Chemical characterization

Mixture of the following substances

Description : Mixture of substances listed below with nonhazardous additions

| Components: | | | | |
|---------------|------------|-------------|----------------|------|
| EINECS/ELINCS | CAS | Common Name | Classification | Conc |
| — | 56-81-5 | GLYCEROL | Non-dangerous | 25% |
| — | 35773-43-0 | SF-3022 | Non-dangerous | 25% |
| — | 28556-33-0 | | Non-dangerous | |
| — | 55840-82-8 | | Non-dangerous | |
| — | 7732-18-5 | WATER | Non-dangerous | 50% |
| — | | | | |

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

4. First –aid measures

Inhalation: Move the affected person away from the contaminated area and into the fresh air

Skin contact: Immediately wash and rinse with plenty of water

Eye contact: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 min. minimum) Always refer to an eye specialist, even if there are no mediate symptoms.

Ingestion: Never attempt to induce vomiting . Call a doctor immediately

5. Fire –fighting measures

Suitable extinguishing media: Carbon dioxide (CO2). Foam. Powders

Not suitable extinguishing media: None to our knowledge. If there is a fire close by using suitable extinguishing agents

Specific hazards: During combustion:, toxic vapors may be released if product is heated to dryness.

Specific fire fighting methods: Do not attempt to fight the fire without suitable protective equipment may intervene

Protection of fire-fighters: Self-contained breathing apparatus Complete protective clothing

6. Accidental release measure

Personal precautions: Avoid contact with skin and eyes .Do not breathe vapour; Do not smoking..

Environmental precautions: Do not discharge into drains and rivers

Methods for cleaning up:

Neutralization: Absorb spillage with: inert absorbent material earth or sand

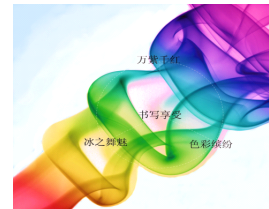
Cleaning/decontamination: Wash non-recoverable remainder with large amounts of water

Disposal: Dispose of contaminated materials in accordance with current regulations

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7. Handling and storage

HANDLING

Technical measures: Vapour extraction at source . Material and equipment suitable for use with Strongly colored water based liquids.

Precautions: Avoid any direct contact with the product . Work in a well-ventilated area .Smoking is forbidden .Avoid the build-up of electrostatic charge

STORAGE

Technical measures: The floor of the depot must be impermeable, noncombustible and designed to form a basin, in order that stored liquids should not, under any circumstances, be released outside

Storage conditions:

Recommended: Store: in a cool, well-ventilated area, the container tightly closed away from any source of ignition

Incompatible materials: Strong oxidizing agents

Packaging materials:

Not suitable: Can cause some metals to rust

8. Exposure controls / personal protection

Engineering measures: Ensure good ventilation of the work station .Extraction to remove vapours at their source

Occupational exposure limits:

France: Ethylene Glycol

Personal protective equipment:

Respiratory protection: In the event of insufficient ventilation: ,Suitable breathing apparatus

Hand protection: Impermeable protective gloves

Eye protection: Safety spectacles

Skin and body protection: Suitable clothing

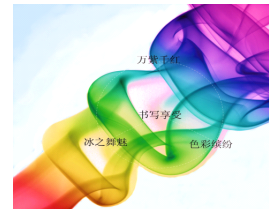
Collective emergency equipment: Eye fountain .Safety shower

Hygiene measures: Do not drink, eat or smoke in the workplace

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E-mail: sales@inksh.com



9. Physical and chemical properties

| |
|---|
| General Information |
| Form : Fluid Colour : green Odour : watery slightly |
| Ignition temperature : 287 °C |
| Self-igniting : Not determined |
| Danger of explosion : product does not present an explosion hazard |
| PH : 7.0-8.3 |
| Vapour density (air=1): greater than 1 |
| Solubility in water : Miscible (in all proportions) in organic solvents: Miscible (in all proportions) with: glycerol |

10. Stability and reactivity

Stability: Stable at ambient temperature and under normal conditions of use

Hazardous reactions:

Conditions to avoid: May ignite on heating to dryness when all water is evaporated

Materials to avoid: Strong oxidizing agents

Hazardous decomposition

products: On combustion or on thermal decomposition

(pyrolysis) releases: Carbon oxides (CO, CO₂)

11. Toxicological information

Acute toxicity: Vapours may cause drowsiness and dizziness

Acute symptoms : On ingestion: Nausea., Vomiting., Central Nervous, System depressant ,

On inhalation: Dizziness, Headaches

Local effects: At high concentrations, the vapours can be irritating to the eyes, nose and throat .Repeated or prolonged contact may cause slight irritation to the skin,

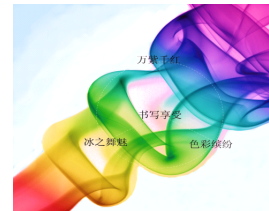
Eye contact: May cause severe ocular lesions

Further information: Above information is for the ink. The ink will be contained in the fibrous reservoir of a small capacity marker containing 3 grams or less which will limit considerably the exposure possibilities for the user.

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E-mail: sales@inksh.com



12. Ecological information

ECOTOXICITY: Effects on the aquatic environment: Ethylene Glycol
May cause adverse effects to the aquatic environment.

13. Disposal considerations

WASTE FROM PRODUCT:

Destruction/Disposal: Dispose of in accordance with relevant local regulations

CONTAMINATED PACKAGING:

Destruction/disposal: Destroy at an authorized site

NOTE : The user's attention is drawn to the possible existence of specific European, national or
Local regulations regarding disposal

14. Transport information

International regulations: Not regulated

15. Regulatory information

The product is no classified in accordance with European Regulation on hazardous substance: Directive
67/548/CE 30ème adaptation and on hazardous preparations: Directive 2006/8/CE

National prescriptions:

France: Maladies professionnelles (tableaux (x) n° 84) concern

NOTE : The regulatory information given above only indicate the principal regulations specifically applicable
to the product described in the MSDS

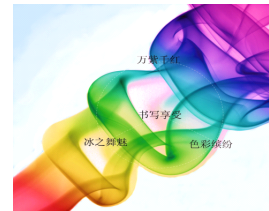
16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific
product features and shall not establish a legally valid contractual relationship.

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Safety Data Sheet

(According to 2006/1907/EC)

1. Identification of the Substance/Preparation/Company

Product details

Trade name: highlighter Ink / FT-48-0-02(4#) Orange

Substance/Mixture: Mixture/preparation

Form:Fluid

Relevant identified uses advised against

Identified uses: Laboratory chemicals, Manufacture of the substance/mixture

Product type: _

Manufacturer /Supplier:

Shanghai University Nano-Science & Technology Institute Special Ink R&D Department

No.149 Yanchang Road,Shanghai,China

Phone: 86-21-56331532

Fax: 86-21-56331117

Web: www.inksh.com

Further information obtainable from:

Technical service , Howard Young

Tel: 86-021-56331532

Mobile : 86-13761677741

Information in case of emergency:

Tel: 86-13761677741

2. Hazards identification

The preparation isn't classified hazardous according European regulation

- Emergency overview

Caution! May be harmful if swallowed or inhaled. May cause irritation of skin, eyes, respiratory organs or gastrointestinal organs.

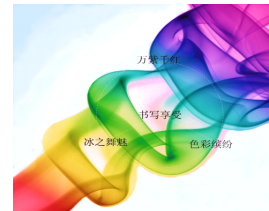
- Primary routes of exposure:

Eye contact / Skin contact / Inhalation / Ingestion

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3. Composition /information on ingredients

Chemical characterization

Mixture of the following substances

Description : Mixture of substances listed below with nonhazardous additions

| Components: | | | | |
|---------------|------------|-------------|----------------|------|
| EINECS/ELINCS | CAS | Common Name | Classification | Cone |
| — | 56-81-5 | GLYCEROL | Non-dangerous | 25% |
| — | 28556-33-0 | SF-3014 | Non-dangerous | 25% |
| — | 3068-38-1 | | Non-dangerous | |
| — | 277-459-0 | | Non-dangerous | |
| — | 7732-18-5 | WATER | Non-dangerous | 50% |
| — | | | | |

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

4. First –aid measures

Inhalation: Move the affected person away from the contaminated area and into the fresh air

Skin contact: Immediately wash and rinse with plenty of water

Eye contact: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 min. minimum) Always refer to an eye specialist, even if there are no mediate symptoms.

Ingestion: Never attempt to induce vomiting . Call a doctor immediately

5. Fire –fighting measures

Suitable extinguishing media: Carbon dioxide (CO2). Foam. Powders

Not suitable extinguishing media: None to our knowledge. If there is a fire close by using suitable extinguishing agents

Specific hazards: During combustion: Toxic vapors may be released if product is heated to dryness.

Specific fire fighting methods: Do not attempt to fight the fire without suitable protective equipment may intervene

Protection of fire-fighters: Self-contained breathing apparatus Complete protective clothing

6. Accidental release measure

Personal precautions: Avoid contact with skin and eyes .Do not breathe vapour; Do not smoking..

Environmental precautions: Do not discharge into drains and rivers

Methods for cleaning up:

Neutralization: Absorb spillage with: inert absorbent material earth or sand

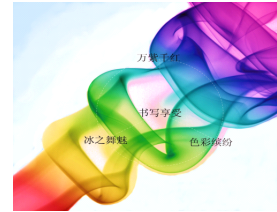
Cleaning/decontamination: Wash non-recoverable remainder with large amounts of water

Disposal: Dispose of contaminated materials in accordance with current regulations

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7. Handling and storage

HANDLING

Technical measures: Vapour extraction at source . Material and equipment suitable for use with
Strongly colored water based liquids.

Precautions: Avoid any direct contact with the product . Work in a well-ventilated area .Smoking is
forbidden .Avoid the build-up of electrostatic charge

STORAGE

Technical measures: The floor of the depot must be impermeable, noncombustible and designed to form a basin,
in order that stored liquids should not, under any circumstances, be released outside

Storage conditions:

Recommended: Store: in a cool, well-ventilated area, the container tightly closed away from any source of
ignition

Incompatible materials: Strong oxidizing agents

Packaging materials:

Not suitable: Can cause some metals to rust

8. Exposure controls / personal protection

Engineering measures: Ensure good ventilation of the work station .Extraction to remove vapours at their
source

Occupational exposure limits:

France: Ethylene Glycol

Personal protective equipment:

Respiratory protection: In the event of insufficient ventilation:.,Suitable breathing apparatus

Hand protection: Impermeable protective gloves

Eye protection: Safety spectacles

Skin and body protection: Suitable clothing

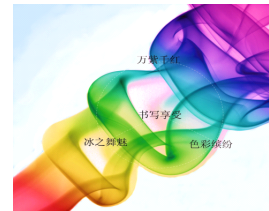
Collective emergency equipment: Eye fountain .Safety shower

Hygiene measures: Do not drink, eat or smoke in the workplace

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9. Physical and chemical properties

| |
|---|
| General Information |
| Form : Fluid Colour : orange Odour : watery slightly |
| Ignition temperature : 287 °C |
| Self-igniting : Not determined |
| Danger of explosion : product does not present an explosion hazard |
| PH: 7.0-8.3 |
| Vapour density (air=1): greater than 1 |
| Solubility in water : Miscible (in all proportions) in organic solvents: Miscible (in all proportions) with: glycerol |

10. Stability and reactivity

Stability: Stable at ambient temperature and under normal conditions of use

Hazardous reactions:

Conditions to avoid: May ignite on heating to dryness when all water is evaporated

Materials to avoid: Strong oxidizing agents

Hazardous decomposition

products: On combustion or on thermal decomposition

(pyrolysis) releases: Carbon oxides (CO, CO₂)

11. Toxicological information

Acute toxicity: Vapours may cause drowsiness and dizziness

Acute symptoms : On ingestion: Nausea., Vomiting., Central Nervous, System depressant ,

On inhalation: Dizziness, Headaches

Local effects : At high concentrations, the vapours can be irritating to the eyes, nose and throat .Repeated or prolonged contact may cause slight irritation to the skin,

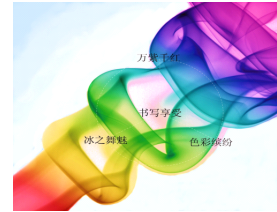
Eye contact: May cause severe ocular lesions

Further information: Above information is for the ink. The ink will be contained in the fibrous reservoir of a small capacity marker containing 3 grams or less which will limit considerably the exposure possibilities for the user.

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12. Ecological information

ECOTOXICITY: Effects on the aquatic environment: Ethylene Glycol
May cause adverse effects to the aquatic environment.

13. Disposal considerations

WASTE FROM PRODUCT:

Destruction/Disposal: Dispose of in accordance with relevant local regulations

CONTAMINATED PACKAGING:

Destruction/disposal: Destroy at an authorized site

NOTE : The user's attention is drawn to the possible existence of specific European, national or
Local regulations regarding disposal

14. Transport information

International regulations: Not regulated

15. Regulatory information

The product is no classified in accordance with European Regulation on hazardous substance: Directive
67/548/CE 30ème adaptation and on hazardous preparations: Directive 2006/8/CE

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France: Maladies professionnelles (tableaux (x) n° 84) concern

NOTE : The regulatory information given above only indicate the principal regulations specifically applicable
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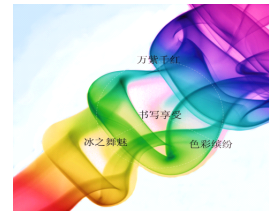
16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any
specific product features and shall not establish a legally valid contractual relationship.

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Safety Data Sheet

(According to 2006/1907/EC)

1. Identification of the Substance/Preparation/Company

Product details

Trade name: Highlighter Ink / FT-P-P Pink

Substance/Mixture: Mixture/preparation

Form: Fluid

Relevant identified uses advised against

Identified uses: Laboratory chemicals, Manufacture of the substance/mixture

Product type: _

Manufacturer /Supplier:

Shanghai University Nano-Science & Technology Institute Special Ink R&D Department

No.149 Yanchang Road, Shanghai, China

Phone: 86-21-56331532

Fax: 86-21-56331117

www.inksh.com

Further information obtainable from:

Technical service , Howard Young

TEL: 86-021-56331532

Mobile: 86-13761677741

Information in case of emergency:

TEL : 86-13761677741

2. Hazards identification

The preparation isn't classified hazardous according European regulation

- Emergency overview

Caution! May be harmful if swallowed or inhaled. May cause irritation of skin, eyes, respiratory organs or gastrointestinal organs.

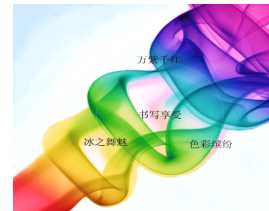
- Primary routes of exposure:

Eye contact / Skin contact / Inhalation / Ingestion

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E-mail: sales@inksh.com



3. Composition /information on ingredients

Chemical characterization

Mixture of the following substances

Description : Mixture of substances listed below with nonhazardous additions

| Components: | | | | |
|---------------|-----------|-------------|----------------|------|
| EINECS/ELINCS | CAS | Common Name | Classification | Cone |
| — | 56-81-5 | GLYCEROL | Non-dangerous | 25% |
| — | 3068-38-1 | SF-3017 | Non-dangerous | 25% |
| — | 277-459-0 | | Non-dangerous | |
| — | 7732-18-5 | WATER | Non-dangerous | 50% |
| — | | | | |

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

4. First –aid measures

Inhalation: Move the affected person away from the contaminated area and into the fresh air

Skin contact: Immediately wash and rinse with plenty of water

Eye contact: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 min. minimum) Always refer to an eye specialist, even if there are no mediate symptoms.

Ingestion: Never attempt to induce vomiting . Call a doctor immediately

5. Fire –fighting measures

Suitable extinguishing media: Carbon dioxide (CO2). Foam. Powders

Not suitable extinguishing media: None to our knowledge. If there is a fire close by using suitable extinguishing agents

Specific hazards : During combustion : Toxic vapors may be released if product is heated to dryness.

Specific fire fighting methods: Do not attempt to fight the fire without suitable protective equipment may intervene

Protection of fire-fighters : Self-contained breathing apparatus Complete protective clothing

6. Accidental release measure

Personal precautions : Avoid contact with skin and eyes .Do not breathe vapour; Do not smoking..

Environmental precautions : Do not discharge into drains and rivers

Methods for cleaning up:

Neutralization : Absorb spillage with: inert absorbent material earth or sand

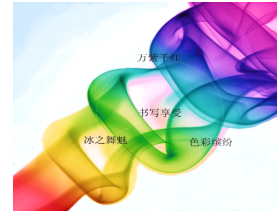
Cleaning/decontamination : Wash non-recoverable remainder with large amounts of water

Disposal : Dispose of contaminated materials in accordance with current regulations

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7. Handling and storage

HANDLING

Technical measures : Vapour extraction at source . Material and equipment suitable for use with
Strongly colored water based liquids.

Precautions : Avoid any direct contact with the product . Work in a well-ventilated area .Smoking is
forbidden .Avoid the build-up of electrostatic charge

STORAGE

Technical measures : The floor of the depot must be impermeable, noncombustible and designed to form a
basin, in order that stored liquids should not, under any circumstances, be released
outside

Storage conditions:

Recommended : Store: in a cool, well-ventilated area, the container tightly closed away from any source of
ignition

Incompatible materials : Strong oxidizing agents

Packaging materials:

Not suitable : Can cause some metals to rust

8. Exposure controls / personal protection

Engineering measures : Ensure good ventilation of the work station .Extraction to remove vapours at their
source

Occupational exposure limits :

France : Ethylene Glycol

Personal protective equipment:

Respiratory protection : In the event of insufficient ventilation:;Suitable breathing apparatus

Hand protection : Impermeable protective gloves

Eye protection : Safety spectacles

Skin and body protection: Suitable clothing

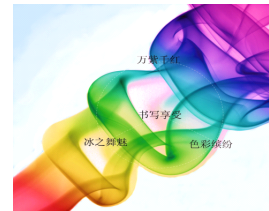
Collective emergency equipment : Eye fountain .Safety shower

Hygiene measures : Do not drink, eat or smoke in the workplace

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9. Physical and chemical properties

| |
|---|
| General Information |
| Form : Fluid Colour : pink Odour : watery slightly |
| Ignition temperature : 287 °C |
| Self-igniting : Not determined |
| Danger of explosion : product does not present an explosion hazard |
| PH : 7.0-8.3 |
| Vapour density (air=1): greater than 1 |
| Solubility in water : Miscible (in all proportions) in organic solvents: Miscible (in all proportions) with: glycerol |

10. Stability and reactivity

Stability : Stable at ambient temperature and under normal conditions of use

Hazardous reactions :

Conditions to avoid : May ignite on heating to dryness when all water is evaporated

Materials to avoid : Strong oxidizing agents

Hazardous decomposition

Products : On combustion or on thermal decomposition

(pyrolysis) releases: Carbon oxides (CO, CO₂)

11. Toxicological information

Acute toxicity : Vapours may cause drowsiness and dizziness

Acute symptoms : On ingestion: Nausea., Vomiting., Central Nervous, System depressant ,

On inhalation: Dizziness, Headaches

Local effects : At high concentrations, the vapours can be irritating to the eyes, nose and throat .Repeated or prolonged contact may cause slight irritation to the skin,

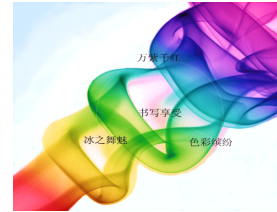
Eye contact : May cause severe ocular lesions

Further information : Above information is for the ink. The ink will be contained in the fibrous reservoir of a small capacity marker containing 3 grams or less which will limit considerably the exposure possibilities for the user.

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12. Ecological information

ECOTOXICITY: Effects on the aquatic environment: Ethylene Glycol
May cause adverse effects to the aquatic environment.

13. Disposal considerations

WASTE FROM PRODUCT:

Destruction/Disposal: Dispose of in accordance with relevant local regulations

CONTAMINATED PACKAGING:

Destruction/disposal: Destroy at an authorized site

NOTE : The user's attention is drawn to the possible existence of specific European, national or
Local regulations regarding disposal

14. Transport information

International regulations: Not regulated

15. Regulatory information

The product is no classified in accordance with European Regulation on hazardous substance: Directive 67/548/CE 30ème adaptation and on hazardous preparations: Directive 2006/8/CE

National prescriptions:

France: Maladies professionnelles (tableaux (x) n° 84) concern

NOTE: The regulatory information given above only indicate the principal regulations specifically applicable to the product described in the MSDS

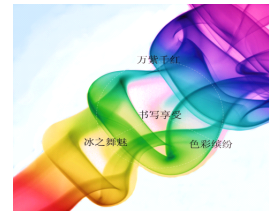
16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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Safety Data Sheet

(According to 2006/1907/EC)

1. Identification of the Substance/Preparation/Company

Product details

Trade name: highlighter Ink / FT-V-P Violet

Substance/Mixture: Mixture/preparation

Form: Fluid

Relevant identified uses advised against

Identified uses: Laboratory chemicals, Manufacture of the substance/mixture

Product type: _

Manufacturer /Supplier:

Shanghai University Nano-Science & Technology Institute Special Ink R&D Department

No.149 Yanchang Road. Shanghai, China

Phone: 86-21-56331532

Fax: 86-21-56331117

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Further information obtainable from:

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Tel: 86-13761677741

2. Hazards identification

The preparation isn't classified hazardous according European regulation

- Emergency overview

Caution! May be harmful if swallowed or inhaled. May cause irritation of skin, eyes, respiratory organs or gastrointestinal organs.

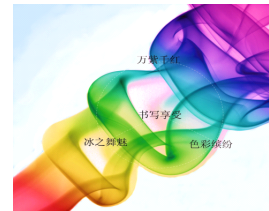
- Primary routes of exposure:

Eye contact / Skin contact / Inhalation / Ingestion

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3. Composition /information on ingredients

Chemical characterization

Mixture of the following substances

Description : Mixture of substances listed below with nonhazardous additions

| Components: | | | | |
|---------------|------------|-------------|----------------|------|
| EINECS/ELINCS | CAS | Common Name | Classification | Conc |
| — | 56-81-5 | GLYCEROL | Non-dangerous | 25% |
| — | 3068-38-1 | SF-3017 | Non-dangerous | 20% |
| — | 277-459-0 | | Non-dangerous | |
| — | 55840-82-8 | SF-3038 | Non-dangerous | 5% |
| — | 7732-18-5 | WATER | Non-dangerous | 50% |
| — | | | | |

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

4. First –aid measures

Inhalation: Move the affected person away from the contaminated area and into the fresh air

Skin contact: Immediately wash and rinse with plenty of water

Eye contact: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 min. minimum) Always refer to an eye specialist, even if there are no mediate symptoms.

Ingestion: Never attempt to induce vomiting . Call a doctor immediately

5. Fire –fighting measures

Suitable extinguishing media: Carbon dioxide (CO2). Foam. Powders

Not suitable extinguishing media: None to our knowledge. If there is a fire close by using suitable extinguishing agents

Specific hazards: During combustion: Toxic vapors may be released if product is heated to dryness.

Specific fire fighting methods: Do not attempt to fight the fire without suitable protective equipment may intervene

Protection of fire-fighters: Self-contained breathing apparatus Complete protective clothing

6. Accidental release measure

Personal precautions: Avoid contact with skin and eyes .Do not breathe vapour; Do not smoking..

Environmental precautions: Do not discharge into drains and rivers

Methods for cleaning up:

Neutralization: Absorb spillage with: inert absorbent material earth or sand

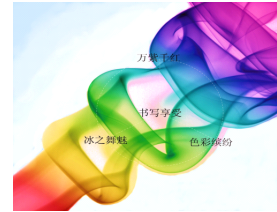
Cleaning/decontamination: Wash non-recoverable remainder with large amounts of water

Disposal: Dispose of contaminated materials in accordance with current regulations

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7. Handling and storage

HANDLING

Technical measures: Vapour extraction at source . Material and equipment suitable for use with
Strongly colored water based liquids.

Precautions: Avoid any direct contact with the product . Work in a well-ventilated area .Smoking is
forbidden .Avoid the build-up of electrostatic charge

STORAGE

Technical measures: The floor of the depot must be impermeable, noncombustible and designed to form a basin,
in order that stored liquids should not, under any circumstances, be released outside

Storage conditions:

Recommended: Store: in a cool, well-ventilated area, the container tightly closed away from any source of
ignition

Incompatible materials: Strong oxidizing agents

Packaging materials:

Not suitable: Can cause some metals to rust

8. Exposure controls / personal protection

Engineering measures : Ensure good ventilation of the work station .Extraction to remove vapours at their
source

Occupational exposure limits:

France: Ethylene Glycol

Personal protective equipment:

Respiratory protection: In the event of insufficient ventilation:.,Suitable breathing apparatus

Hand protection: Impermeable protective gloves

Eye protection: Safety spectacles

Skin and body protection: Suitable clothing

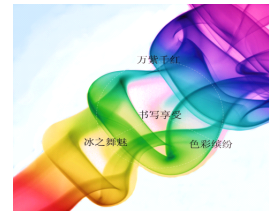
Collective emergency equipment: Eye fountain .Safety shower

Hygiene measures: Do not drink, eat or smoke in the workplace

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9. Physical and chemical properties

| |
|---|
| General Information |
| Form : Fluid Colour : violet Odour : watery slightly |
| Ignition temperature : 287 °C |
| Self-igniting : Not determined |
| Danger of explosion : product does not present an explosion hazard |
| PH: 7.0-8.3 |
| Vapour density (air=1): greater than 1 |
| Solubility in water : Miscible (in all proportions) in organic solvents: Miscible (in all proportions) with: glycerol |

10. Stability and reactivity

Stability: Stable at ambient temperature and under normal conditions of use

Hazardous reactions:

Conditions to avoid: May ignite on heating to dryness when all water is evaporated

Materials to avoid: Strong oxidizing agents

Hazardous decomposition

products: On combustion or on thermal decomposition

(pyrolysis) releases: Carbon oxides (CO, CO₂)

11. Toxicological information

Acute toxicity: Vapours may cause drowsiness and dizziness

Acute symptoms : On ingestion: Nausea., Vomiting., Central Nervous, System depressant ,

On inhalation: Dizziness, Headaches

Local effects : At high concentrations, the vapours can be irritating to the eyes, nose and throat .Repeated or prolonged contact may cause slight ,irritation to the skin,

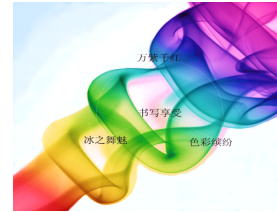
Eye contact: May cause severe ocular lesions

Further information: Above information is for the ink. The ink will be contained in the fibrous reservoir of a small capacity marker containing 3 grams or less which will limit considerably the exposure possibilities for the user.

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12. Ecological information

ECOTOXICITY: Effects on the aquatic environment: Ethylene Glycol
May cause adverse effects to the aquatic environment.

13. Disposal considerations

WASTE FROM PRODUCT:
Destruction/Disposal: Dispose of in accordance with relevant local regulations
CONTAMINATED PACKAGING:
Destruction/disposal: Destroy at an authorized site
NOTE : The user's attention is drawn to the possible existence of specific European, national or
Local regulations regarding disposal

14. Transport information

International regulations: Not regulated

15. Regulatory information

The product is no classified in accordance with European Regulation on hazardous substance: Directive 67/548/CE 30ème adaptation and on hazardous preparations: Directive 2006/8/CE

National prescriptions:

France: Maladies professionnelles (tableaux (x) n° 84) concern

NOTE : The regulatory information given above only indicate the principal regulations specifically applicable to the product described in the MSDS

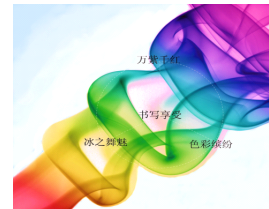
16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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Safety Data Sheet

(According to 2006/1907/EC)

1. Identification of the Substance/Preparation/Company

Product details

Trade name: highlighter Ink / FT-Y-P Yellow

Substance/Mixture: Mixture/preparation

Form: Fluid

Relevant identified uses advised against

Identified uses: Laboratory chemicals, Manufacture of the substance/mixture

Product type: _

Manufacturer /Supplier:

Shanghai University Nano-Science & Technology Institute Special Ink R&D Department

No.149 Yanchang Road, Shanghai, China

Phone: 86-21-56331532

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2. Hazards identification

The preparation isn't classified hazardous according European regulation

- Emergency overview

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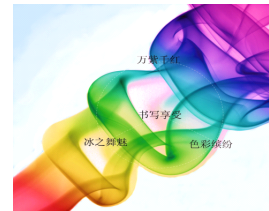
- Primary routes of exposure:

Eye contact / Skin contact / Inhalation / Ingestion

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3. Composition /information on ingredients

Chemical characterization

Mixture of the following substances

Description : Mixture of substances listed below with nonhazardous additions

| Components: | | | | |
|---------------|------------|-------------|----------------|------|
| EINECS/ELINCS | CAS | Common Name | Classification | Conc |
| — | 56-81-5 | GLYCEROL | Non-dangerous | 25% |
| — | 35773-43-0 | SF-3015 | Non-dangerous | 25% |
| — | 28556-33-0 | | Non-dangerous | |
| — | 7732-18-5 | WATER | Non-dangerous | 50% |
| — | | | | |

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

4. First –aid measures

Inhalation: Move the affected person away from the contaminated area and into the fresh air

Skin contact: Immediately wash and rinse with plenty of water

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Always refer to an eye specialist, even if there are no mediate symptoms.

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5. Fire –fighting measures

Suitable extinguishing media: Carbon dioxide (CO2). Foam. Powders

Not suitable extinguishing media: None to our knowledge. If there is a fire close by using suitable extinguishing agents

Specific hazards: During combustion:, toxic vapors may be released if product is heated to dryness.

Specific fire fighting methods: Do not attempt to fight the fire without suitable protective equipment may intervene

Protection of fire-fighters: Self-contained breathing apparatus Complete protective clothing

6. Accidental release measure

Personal precautions: Avoid contact with skin and eyes .Do not breathe vapour; Do not smoking..

Environmental precautions: Do not discharge into drains and rivers

Methods for cleaning up:

Neutralization: Absorb spillage with: inert absorbent material earth or sand

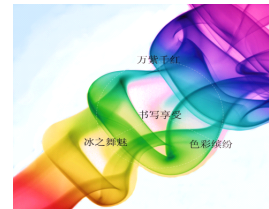
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7. Handling and storage

HANDLING

Technical measures: Vapour extraction at source . Material and equipment suitable for use with Strongly colored water based liquids.

Precautions: Avoid any direct contact with the product . Work in a well-ventilated area .Smoking is forbidden .Avoid the build-up of electrostatic charge

STORAGE

Technical measures: The floor of the depot must be impermeable, noncombustible and designed to form a basin, in order that stored liquids should not, under any circumstances, be released outside

Storage conditions:

Recommended: Store: in a cool, well-ventilated area, the container tightly closed away from any source of ignition

Incompatible materials: Strong oxidizing agents

Packaging materials:

Not suitable: Can cause some metals to rust

8. Exposure controls / personal protection

Engineering measures: Ensure good ventilation of the work station .Extraction to remove vapours at their source

Occupational exposure limits:

France: Ethylene Glycol

Personal protective equipment:

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Hand protection: Impermeable protective gloves

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Skin and body protection: Suitable clothing

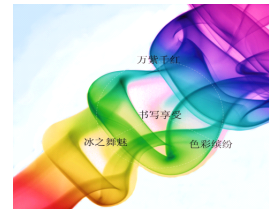
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9. Physical and chemical properties

| |
|---|
| General Information |
| Form : Fluid Colour : yellow Odour : watery slightly |
| Ignition temperature : 287 °C |
| Self-igniting : Not determined |
| Danger of explosion : product does not present an explosion hazard |
| PH : 7.0-8.3 |
| Vapour density (air=1): greater than 1 |
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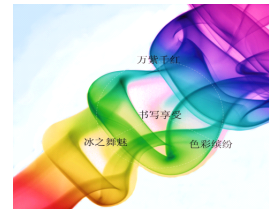
Eye contact: May cause severe ocular lesions

Further information: Above information is for the ink. The ink will be contained in the fibrous reservoir of a small capacity marker containing 3 grams or less which will limit considerably the exposure possibilities for the user.

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ECOTOXICITY: Effects on the aquatic environment: Ethylene Glycol
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13. Disposal considerations

WASTE FROM PRODUCT:
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CONTAMINATED PACKAGING:
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France: Maladies professionnelles (tableaux (x) n° 84) concern

NOTE : The regulatory information given above only indicate the principal regulations specifically applicable to the product described in the MSDS

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.