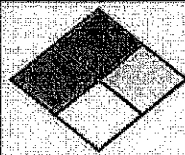
**MSDS**

www.msds-online.com.cn

**Material
Safety Data Sheet**

Normal ink of gel pen (5 colors)

1. PRODUCT AND COMPANY IDENTIFICATION**Product Name:** Normal ink of gel pen (5 colors)**Supplier Information****Company Name:** Cosimex (Shanghai) Ltd
Address: Suit 918, Jiaxing Building, No.877 Dongfang Rd, Shanghai
Tel: 021-51086788
Fax: 021-68768363
Email: missy.chen@cosimextw.com
Emergency Telephone: 021-51086788**2. COMPOSITION/INFORMATION ON INGREDIENTS****Substance/Preparation:** Preparation

Ingredients Name	Content/%	CAS NO.	EC NO.	RISK PHRASES
Dye*	1-4%	-*	-*	-
Water	Balance	7732-18-5	231-791-2	-
Propylene glycol	25%	57-55-6	200-338-0	-
Triethanolamine	0.5%	102-71-6	203-049-8	-
Benzotriazole	0.3%	95-14-7	202-394-1	-
Alkyl phenol ethoxylate phosphate este	0.8%	68412533		-

***Dye list:**

Dye	Cas No.	EC No.	Risk Phrases
Pigment black	1333-86-4	215-609-9	-
Pigment red	7023-61-2	230-303-5	-
Pigment blue	147-14-8	205-685-1	-
Prgment violet	18472-87-2	3488-45-9	-
Pigment green	1328-53-6	215-524-7	-

Note: See Section 8 of MSDS for exposure limit data for these ingredients. Full text of risk phrases appearing in section 2; see section 16.

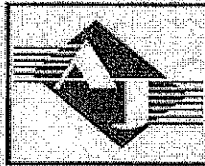
The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

This MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of the product.

3. HAZARDS IDENTIFICATION

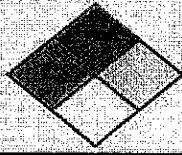
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Material Safety Data Sheet

Normal ink of gel pen (5 colors)

Primary Route(s) of Exposure: Eye contact, skin contact, inhalation and ingestion.

Potential Health Effects

Acute (short term): May cause mild eye and skin irritation.

Chronic (long term): There is no known health effects connected with long term use or contact with this product. See Section 11 of MSDS for more toxicological data.

Potential Environmental Effects: The material should pose no significant hazard to the environment.

4. FIRST AID MEASURES

Skin contact: Wash affected area with soap and water. If symptoms develop seek medical attention.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Inhalation: Move to fresh air immediately. Get medical aid if symptoms persist.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Wash mouth out with water. Get medical aid.

Note to physicians: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammable Properties

Flash Point: >100°C

Explosion limits:

Lower: Not available

Upper: Not available

Extinguishing Media: use agent most appropriate to extinguish surrounding fire

Fire & Explosion Hazards: This product is not present a flammable or explosive hazards.

Fire Fighting Equipment: As in any fire, wear a self-contained breathing apparatus in pressure-demand, and full protective gear.

Issue date: 2008-7-11

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Material Safety Data Sheet

Normal Ink of gel pen (5 colors)

6. ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

7. HANDLING AND STORAGE

Handling: Avoid breathing vapor, mist, or gas. Avoid contact with skin and eyes. Use with adequate ventilation.

Storage: Store in a cool, dry, well-ventilated area away from incompatible substances.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering controls: Provide general and/or local exhaust ventilation to maintain airborne levels below the exposure limits.

Respiratory protection: For most situations, no respiratory protection should be needed; however, in any fire, use an approved respirator.

Skin protection: Wear appropriate protective gloves to prevent skin exposure. The glove material has to be impermeable and resistant to the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Eye protection: Wear appropriate protective glasses or chemical safety goggles as described by European Standard EN166.

General hygiene considerations

The following general hygiene considerations are recognized as common, good industrial hygiene practices:

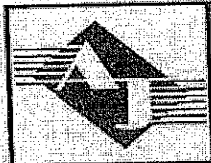
- Wash hands after use and before eating
- Avoid breathing dust
- Wear safety glasses

Exposure guidelines

Ingredients Name	OIL
CAS#:1333-86-4	ACGIH: 3.5 mg/m ³ TWA

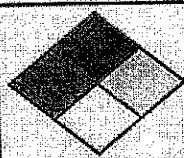
Issue date: 2008-7-11

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Material Safety Data Sheet

Normal ink of gel pen (5 colors)

NIOSH: 3.5 mg/m³ TWA; 0.1 mg/m³ TWA (as PAH, carbon black in presence of polycyclic aromatic hydrocarbons) 1750 mg/m³ IDLH
OSHA - Final PELs: 3.5 mg/m³ TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	fluid
Color:	black, red, violet, blue, green
Odor:	slight characteristic smell
Vapour Pressure:	Not available
PH:	8-9
Density (Water= 1):	~1
Ignition temperature:	Not available
Explosion limits:	Lower: Not available Upper: Not available
Boiling Point:	~100°C
Flash Point:	>100°C
Solubility in Water:	Dilutable
Viscosity:	~2500cps

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and handling.
Materials to avoid:	Strong oxidizing agents, strong acid, strong bases.
Conditions to avoid:	High temperature
Hazardous decomposition products:	carbon monoxide and carbon dioxide
Hazardous polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity data

No toxicity data available for this product. Refer to following ingredients' information:

CAS# 1333-86-4 RTECS#: FF5800000
LD50/LC50: Oral, rat: LD50 =>15400 mg/kg; Skin, rabbit: LD50 =>3 gm/kg;

Issue date: 2008-7-11

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Material Safety Data Sheet

Normal ink of gel pen (5 colors)

Carcinogenicity
Not listed as a carcinogen by ACGIH, IARC, NTP

12. ECOLOGICAL INFORMATION

Mobility: Not determined.
Biodegradability: Not determined
Bioaccumulation: Not determined

13. DISPOSAL CONSIDERATIONS

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste; do not dispose of waste into the environment.

For unclean packaging: Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

Proper shipping name: Not regulated
Hazard class: None
Packing group: None
Identification number: None
ADR/RID: This product is not regulated for transportation.
IMDG: This product is not regulated for transportation.
IATA: This product is not regulated for transportation.

15. REGULATORY INFORMATION

European Labeling in Accordance with EC Directives

Hazard Symbols: -

Risk Phrases: -

Safety Phrases: -

WGK (Water Danger/Protection)

CAS#13333-86-4: nwg

Inventory Status

Inventory

Europe

Status:

all components are listed on EINECS

Issue date: 2008-7-11

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**Material
Safety Data Sheet**

Normal ink of gel pen (5 colors)

16. OTHER INFORMATION

Risk phrases in section 2:

- R15 Contact with water liberates extremely flammable gases.
- R10 Flammable.

Issue Date: May 5, 2008

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. We make no representation as to completeness or accuracy. In no event we shall be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.

*** END OF MSDS ***

Issue date: 2008-7-11

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Material Safety Data Sheet

Metal Ink of gel pen (10 colors)

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Metal Ink of gel pen (10 colors)

Supplier Information

Company Name: Cosimex (Shanghai) Ltd

Address: Suit 918, Jiaxing Building, No.877 Dongfang Rd, Shanghai

Tel: 021-51086788

Fax: 021-68768363

Email: missy.chen@cosimextw.com

Emergency Telephone: 021-51086788

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Preparation: Preparation

Ingredients Name	Content/%	CAS NO.	EC NO.	RISK PHRASES
Dye*	1-4%	-*	-*	-
water	Balance	7732-18-5	231-791-2	-
Propylene glycol	30%	57-55-6	200-338-0	-
Triethanolamine	0.5%	102-71-6	203-049-8	-
Benzotriazole	0.2%	95-14-7	202-394-1	-
Alkyl phenol ethoxylate phosphate ester	0.5%	68412533		-
Aluminum	2 %	7429-90-5	231-072-3	F, R15 - R10

*Dye list:

Dye	Cas No.	EC No.	Risk Phrases
Silver metal	Z-60200 M-Silver pigments	7429-90-5	*
Gold metal	Z-60100 M-gold pigments	3520-72-7	222-530-3
Rose metal	Z-60900 M-Rose pigment	7584-41-3	231-494-8
Red metal	Z-60400 M-Red pigment	7023-61-2	230-303-5
Purple metal	Z-60500 M-purple pigment	1325-83-6	215-409-1
Green metal	Z-60600 M-Gold pigments	1328-53-6	215-524-7
Orange metal	Z-60800 M-orange pigment	1934-21-0	214-699-5
Blue metal	Z-60300 M-blue pigments	147-14-8	205-685-1
Coffee metal	Z-60100 M-gold pigments	5468-75-7	226-789-3
Black metal	Z-60700 M-black pigment	1333-86-4	215-609-9

Issue date: 2008-5-08

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Material Safety Data Sheet

Metal Ink of gel pen (10 colors)

Note: See Section 8 of MSDS for exposure limit data for these ingredients. Full text of risk phrases appearing in section 2; see section 16.

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments. This MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of the product.

3. HAZARDS IDENTIFICATION

Primary Route(s) of Exposure: Eye contact, skin contact, inhalation and ingestion.

Potential Health Effects

Acute (short term): May cause mild eye and skin irritation.

Chronic (long term): There is no known health effects connected with long term use or contact with this product. See Section 11 of MSDS for more toxicological data.

Potential Environmental Effects: The material should pose no significant hazard to the environment.

4. FIRST AID MEASURES

Skin contact: Wash affected area with soap and water. If symptoms develop seek medical attention.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Inhalation: Move to fresh air immediately. Get medical aid if symptoms persist.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Wash mouth out with water. Get medical aid.

Note to physicians: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammable Properties

Flash Point: >100°C

Explosion limits:

Lower: Not available

Issue date: 2008-5-08

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Material Safety Data Sheet

Metal Ink of gel pen (10 colors)

Upper: Not available

Extinguishing Media: use agent most appropriate to extinguish surrounding fire

Fire & Explosion Hazards: This product is not present a flammable or explosive hazards.

Fire Fighting Equipment: As in any fire, wear a self-contained breathing apparatus in pressure-demand, and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

7. HANDLING AND STORAGE

Handling: Avoid breathing vapor, mist, or gas. Avoid contact with skin and eyes. Use with adequate ventilation.

Storage: Store in a cool, dry, well-ventilated area away from incompatible substances.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering controls: Provide general and/or local exhaust ventilation to maintain airborne levels below the exposure limits.

Respiratory protection: For most situations, no respiratory protection should be needed; however, in any fire, use an approved respirator.

Skin protection: Wear appropriate protective gloves to prevent skin exposure. The glove material has to be impermeable and resistant to the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

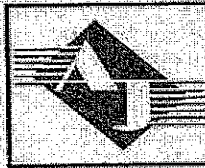
Eye protection: Wear appropriate protective glasses or chemical safety goggles as described by European Standard EN166.

General hygiene considerations

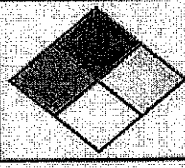
The following general hygiene considerations are recognized as common, good industrial hygiene practices:

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**Material
Safety Data Sheet**

Metal Ink of gel pen (16 colors)

- Wash hands after use and before eating
- Avoid breathing dust
- Wear safety glasses

Exposure guidelines

Ingredients Name	OEL
CAS#57-55-6	Vapor and Aerosol = 50ppm; Aerosol, only = 10mg/m ³ .
CAS#102-71-6	ACGIH Threshold Limit Value (TLV): 5 mg/m ³ (TWA)
CAS#:7429-90-5	-OSHA Permissible Exposure Limit (PEL): 15 mg/m ³ (TWA) total dust and 5 mg/m ³ (TWA) respirable fraction for Aluminum metal as Al -ACGIH Threshold Limit Value (TLV): 10 mg/m ³ (TWA) Aluminum metal dusts
CAS#:5468-75-7	10mg/m ³ - ACGIH 5mg/m ³ - OSHA
CAS#:1333-86-4	ACGIH: 3.5 mg/m ³ TWA NIOSH: 3.5 mg/m ³ TWA; 0.1 mg/m ³ TWA (as PAH, carbon black in presence of polycyclic aromatic hydrocarbons) 1750 mg/m ³ IDLH OSHA - Final PELs: 3.5 mg/m ³ TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	fluid
Color:	gold, silver, black, red, purple, blue, green, rose, orange, brown,
Odor:	slight characteristic smell
Vapour Pressure:	Not available
PH:	8-9
Density (Water= 1):	~1
Ignition temperature:	Not available
Explosion limits:	Lower: Not available Upper: Not available
Boiling Point:	~100°C
Flash Point:	>100°C
Solubility in Water:	Dilutable
Viscosity:	~2500cps

Issue date: 2008-5-08

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Material Safety Data Sheet

Metal Ink of gel pen (10 colors)

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and handling.

Materials to avoid: Strong oxidizing agents, strong acid, strong bases.

Conditions to avoid: High temperature

Hazardous decomposition products: carbon monoxide and carbon dioxide

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity data

No toxicity data available for this product. Refer to following ingredients' information:

- CAS#57-55-6 Oral rat LD50: 20g/kg. Skin rabbit LD50: 20.8g/kg.
Irritation: Eye rabbit/Draize, 500 mg/24H mild.
Investigated as a mutagen and reproductive effector.
- CAS# 102-71-6 Oral rat LD50: 4920 mg/kg; skin rabbit LD50: > 20 mL/kg;
Irritation data: Skin rabbit: 560 mg/24H mild; eye rabbit: 20 mg severe
Investigated as a tumorigen and a mutagen.
- CAS# 1333-86-4 RTECS#: FF5800000
LD50/LC50: Oral, rat: LD50 =>15400 mg/kg; Skin, rabbit: LD50 =>3 gm/kg;

Carcinogenicity

Not listed as a carcinogen by ACGIH, IARC, NTP

12. ECOLOGICAL INFORMATION

Ecotoxicity:

For ingredient CAS# 102-71-6:

- CAS# 102-71-6 Freshwater Fish Species Data: 96 Hr LC50 Pimephales promelas: 11800 mg/L [flow-through]; 96 Hr
LC50 Lepomis macrochirus: 450-1000 mg/L [static]
Water Flea Data: 24 Hr EC50 Daphnia magna: 1386 mg/L
Microtox data: 30 min EC50 Pseudomonas putida: >10000 mg/L

Issue date: 2008-5-08

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Material Safety Data Sheet

Metal Ink of gel pen (10 colors)

Freshwater Algae Data: 72 Hr EC50 Scenedesmus subspicatus: 216 mg/L; 96 Hr EC50 Scenedesmus subspicatus: 169 mg/L

Mobility: Not determined.
Biodegradability: Not determined.
Bioaccumulation: Not determined.

13. DISPOSAL CONSIDERATIONS

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste; do not dispose of waste into the environment.

For unclean packaging: Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

Proper shipping name: Not regulated
Hazard class: None
Packing group: None
Identification number: None
ADR/RID: This product is not regulated for transportation.
IMDG: This product is not regulated for transportation.
IATA: This product is not regulated for transportation.

15. REGULATORY INFORMATION

European Labeling in Accordance with EC Directives

Hazard Symbols: -

Risk Phrases: -

Safety Phrases: -

WGK (Water Danger/Protection)

CAS#57-55-6: 1

CAS# 102-71-6: 1

CAS#7429-90-5: nwg

Inventory Status

Inventory	Status
Europe	all components are listed on EINECS

16. OTHER INFORMATION

Issue date: 2008-5-08

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**Material
Safety Data Sheet**

Metal Ink of gel pen (10 colors)

Risk phrases in section 2:

- R15 Contact with water liberates extremely flammable gases.
- R10 Flammable.

Issue Date: May 5, 2008

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. We make no representation as to completeness or accuracy. In no event we shall be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.

*** END OF MSDS ***

Issue date: 2008-5-08

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Material Safety Data Sheet

Plaster Ink of gel pen (8 colors)

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Plaster Ink of gel pen (8 colors)

Supplier Information

Company Name: Cosimex (Shanghai) Ltd
Address: Suit 918, Jiaying Building, No.877 Dongfang Rd, Shanghai
Tel: 021-51086788
Fax: 021-68768363
Email: missy.chen@cosimextw.com
Emergency Telephone: 021-51086788

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Preparation: Preparation

Ingredients Name	Content/%	CAS NO.	EC NO.	RISK PHRASES
Dye*	1-4%	-*	-*	-
Water	Balance	7732-18-5	231-791-2	-
Propylene glycol	30%	57-55-6	200-338-0	-
Triethanolamine	0.5%	102-71-6	203-049-8	-
Benzotriazole	0.2%	95-14-7	202-394-1	-
Alkyl phenol ethoxylate phosphate ester	0.5%	68412533		-
Titanium Dioxide	18%	13463-67-7	236-675-5	

*Dye list:

Dye		Cas No.	EC No.	Risk Phrases
Bule Plaster	Pigment bule 15	147-14-8	205-685-1	-
Pink Plaster	Basic violet 10	81-88-9	201-383-9	
	Basic red 1:1	17372-87-1	241-409-6	-
Yellow Plaster	Solvent yellow 124	34432-92-3	252-21-1	-
Purple Plaster	Basic violet 10	81-88-9	201-383-9	
Green Plaster	Solvent yellow 124	34432-92-3	252-21-1	-
	pigment green 7	1328-53-6		
Red Plaster	Solvent yellow 124	34432-92-3	252-21-1	-
	Basic violet 10	81-88-9	201-383-9	

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Material Safety Data Sheet

Plaster Ink of gel pen (8 colors)

Orange Plaster	Solvent yellow 124	34432-92-3	252-21-1	-
	Basic violet 10	81-88-9	201-383-9	
Magenta Plaster	Basic violet 1:1	73398-87-7		
	Basic red 1:1	17372-87-1	241-409-6	-

Note: See Section 8 of MSDS for exposure limit data for these ingredients. Full text of risk phrases appearing in section 2; see section 16.

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments. This MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of the product.

3. HAZARDS IDENTIFICATION

Primary Route(s) of Exposure: Eye contact, skin contact, inhalation and ingestion.

Potential Health Effects

Acute (short term): May cause mild eye and skin irritation.

Chronic (long term): There is no known health effects connected with long term use or contact with this product. See Section 11 of MSDS for more toxicological data.

Potential Environmental Effects: The material should pose no significant hazard to the environment.

4. FIRST AID MEASURES

Skin contact: Wash affected area with soap and water. If symptoms develop seek medical attention.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Inhalation: Move to fresh air immediately. Get medical aid if symptoms persist.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Wash mouth out with water. Get medical aid.

Note to physicians: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammable Properties

Issue date: 2008-7-11

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Material Safety Data Sheet

Plaster Ink of gel pen (8 colors)

Flash Point: >100°C

Explosion limits:

Lower: Not available

Upper: Not available

Extinguishing Media: use agent most appropriate to extinguish surrounding fire

Fire & Explosion Hazards: This product is not present a flammable or explosive hazards.

Fire Fighting Equipment: As in any fire, wear a self-contained breathing apparatus in pressure-demand, and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Accidental Release Measures:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

7. HANDLING AND STORAGE

Handling: Avoid breathing vapor, mist, or gas. Avoid contact with skin and eyes. Use with adequate ventilation.

Storage: Store in a cool, dry, well-ventilated area away from incompatible substances.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering controls:

Provide general and/or local exhaust ventilation to maintain airborne levels below the exposure limits.

Respiratory protection:

For most situations, no respiratory protection should be needed; however, in any fire, use an approved respirator.

Skin protection:

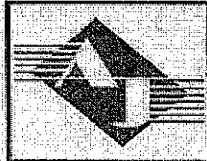
Wear appropriate protective gloves to prevent skin exposure. The glove material has to be impermeable and resistant to the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Eye protection:

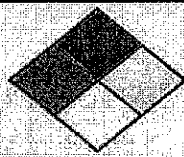
Wear appropriate protective glasses or chemical safety goggles as described by

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**Material
Safety Data Sheet**

Plaster Ink of gel pen (8 colors)

European Standard EN166.

General hygienic considerations

The following general hygiene considerations are recognized as common, good industrial hygiene practices:

- Wash hands after use and before eating
- Avoid breathing dust
- Wear safety glasses

Exposure guidelines

Ingredients Name	OEL
CAS#57-55-6	Vapor and Aerosol = 50ppm; Aerosol, only = 10mg/m ³ .
CAS#102-71-6	ACGIH Threshold Limit Value (TLV): 5 mg/m ³ (FWA)

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	fluid
Color:	black, red, purple, blue, green, yellow, orange, magenta
Odor:	slight characteristic smell
Vapour Pressure:	Not available
PH:	8-9
Density (Water= 1):	~1
Ignition temperature:	Not available
Explosion limits:	Lower: Not available Upper: Not available
Boiling Point:	~100°C
Flash Point:	>100°C
Solubility in Water:	Dilutable
Viscosity:	~2500cps

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and handling.
Materials to avoid:	Strong oxidizing agents, strong acid, strong bases.
Conditions to avoid:	High temperature

Issue date: 2008-7-11

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Material Safety Data Sheet

Plaster Ink of gel pen (8 colors)

Hazardous decomposition products: carbon monoxide and carbon dioxide

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity data

No toxicity data available for this product. Refer to following ingredients' information:

CAS#57-55-6	Oral rat LD50: 20g/kg. Skin rabbit LD50: 20.8g/kg. Irritation: Eye rabbit/Draize, 500 mg/24H mild. Investigated as a mutagen and reproductive effector.
CAS# 102-71-6	Oral rat LD50: 4920 mg/kg; skin rabbit LD50: > 20 mL/kg; Irritation data: Skin rabbit: 560 mg/24H mild; eye rabbit: 20 mg severe Investigated as a tumorigen and a mutagen.

Carcinogenicity

Not listed as a carcinogen by ACGIH, IARC, NTP

12. ECOLOGICAL INFORMATION

Ecotoxicity:

For ingredient CAS# 102-71-6:

CAS#	Freshwater Fish Species Data: 96 Hr LC50 <i>Pimephales promelas</i> : 11800 mg/L [flow-through]; 96 Hr
102-71-6	LC50 <i>Lepomis macrochirus</i> : 450-1000 mg/L [static] Water Flea Data: 24 Hr EC50 <i>Daphnia magna</i> : 1386 mg/L Microtox data: 30 min EC50 <i>Pseudomonas putida</i> : >10000 mg/L Freshwater Algae Data: 72 Hr EC50 <i>Scenedesmus subspicatus</i> : 216 mg/L; 96 Hr EC50 <i>Scenedesmus subspicatus</i> : 169 mg/L

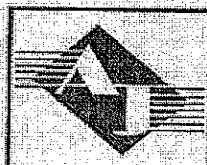
Mobility:	Not determined.
Biodegradability:	Not determined
Bioaccumulation:	Not determined

13. DISPOSAL CONSIDERATIONS

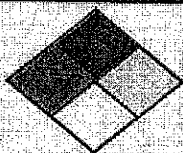
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste; do not dispose of waste into the environment.

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**MSDS**

www.msds-online.com.cn

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For unclean packaging: Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

Proper shipping name: Not regulated
Hazard class: None
Packing group: None
Identification number: None
ADR/RID: This product is not regulated for transportation.
IMDG: This product is not regulated for transportation.
IATA: This product is not regulated for transportation.

15. REGULATORY INFORMATION**European Labeling in Accordance with EC Directives**

Hazard Symbols: -

Risk Phrases: -

Safety Phrases: -

WGK (Water Danger/Protection)

CAS#57-55-6: 1

CAS# 102-71-6: 1

Inventory Status

Inventory	Status
Europe	all components are listed on EINECS

16. OTHER INFORMATION**Risk phrases in section 2:**

R15 Contact with water liberates extremely flammable gases.

R10 Flammable.

Issue Date: May 5, 2008

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. We make no representation as to completeness or accuracy. In no event we shall be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.

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*** END OF MSDS ***

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