

SDS Report

No. SHACPCH1302890002

Date: Mar. 15, 2013

Page 1 of 1

Lanxi Yicai Stationery Co.,Ltd
No 80, Qiuling Road, Economic Developing Area, Lanxi, Zhejiang, China

SGS Ref. No. : SHCPCH130300926-1
Sample Name : Water color
End Uses : Drawing
Composition/Ingredient of sample (as per client submission) : See *section 3 Composition/information on ingredients* on the SDS report
Job Receiving Date : Mar 01, 2013
Last Information Date : Mar 01, 2013
SDS Preparation Period : Mar 01-11, 2013

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g), and is provided per attached.

Signed for and on behalf of
SGS-CSTC Chemical Laboratory



Lindy Liu
Lab Manager

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Safety Data Sheet

29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/05/2013

1 Identification

- **Product identifier**
- **Trade name:** *Water color*
- **Application of the substance / the preparation:** *Drawing*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Lanxi Yicai Stationery Co.,Ltd
No 80, Qiuling Road, Economic Developing Area, Lanxi, Zhejiang, China
Tel: 0086-0579-88966391
Fax: 0086-0579-88966213
- **Further information obtainable from:** *Lanxi Yicai Stationery Co.,Ltd*
- **Emergency telephone number:**
Davis BI
Tel: 15024518671
- **Email:** *261906526@qq.com*
- **Reference Number:** *SHCPCH130300926-1; SHACPCH1302890002*

2 Hazards identification

- **Hazard description:** *Not applicable.*
- **Information pertaining to particular dangers for man and environment:**
The product is not classified as dangerous according to OSHA Hazard Communication standard (29 CFR 1910.1200)
- **Classification system:**
The classification is according to the latest edition of the OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

3 Composition/information on ingredients

- **Chemical characterization:** *Mixtures*
- **Description:** *Mixture of the substances listed below with nonhazardous additions.*

· **Dangerous components:**

<i>471-34-1</i>	<i>calcium carbonate</i>	<i>30.0%</i>
<i>57-55-6</i>	<i>propane-1,2-diol</i>	<i>2.0%</i>
<i>102-71-6</i>	<i>2,2',2''-nitrilotriethanol</i>	<i>2.0%</i>

· **Non dangerous components:**

<i>7732-18-5</i>	<i>water</i>	<i>55.0%</i>
<i>NA</i>	<i>essence</i>	<i>5.0%</i>
<i>147-14-8</i>	<i>29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper</i>	<i>5.5%</i>
<i>9004-62-0</i>	<i>Hydroxyethyl cellulose</i>	<i>0.5%</i>

· **Remark:**

propane-1,2-diol (CAS No.57-55-6)
Synonym: Propylene glycol
2,2',2''-nitrilotriethanol (CAS No.102-71-6)
Synonym: Triethanolamine

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29 CFR 1910.1200

Printing date 03/14/2013

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Trade name: Water color

(Contd. of page 1)

29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper (CAS No.147-14-8)

Synonym: Pigment BLUE 15:3

4 First aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth with water.
Never give anything by mouth to an unconscious person.
If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Suitable extinguishing agents:**
CO₂ extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Ensure adequate ventilation
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.
Avoid contact with eyes.
- **Information about protection against explosions and fires:** Normal measures for preventive fire protection.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from oxidizing agents.

(Contd. on page 3)

Safety Data Sheet

29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/05/2013

Trade name: Water color

(Contd. of page 2)

Do not store together with acidic materials.

- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

471-34-1 calcium carbonate	
PEL	15* 5** mg/m ³ *total dust **respirable fraction
REL	10* 5** mg/m ³ *total dust **respirable fraction
TLV	TLV withdrawn
57-55-6 propane-1,2-diol	
WEEL	10 mg/m ³
102-71-6 2,2',2''-nitrioltriethanol	
TLV	5 mg/m ³

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**

- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure:**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

- **Breathing equipment:** Suitable respiratory protective device recommended.

- **Protection of hands:**



Protective gloves

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 the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer 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.

- **Penetration time of glove material**

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

- **Eye protection:**



Tightly sealed goggles

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29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/05/2013

Trade name: Water color

(Contd. of page 3)

9 Physical and chemical properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Paste
Color:	Blue
· Odor:	Blueberry
· Odour threshold:	Not available
· pH-value:	7.5~9
· Change in condition	
Melting point/Melting range:	Not available.
Freezing point:	Not available
Boiling point/Boiling range:	> 120 °C (> 248 °F)
· Flash point:	Not available
· Flammability (solid, gaseous):	Not available
· Auto-Ignition temperature:	Not available
· Decomposition temperature:	Not available
· Explosion limits:	
Lower:	Not available.
Upper:	Not available.
· Vapor pressure:	Not available.
· Density:	Not available.
· Relative density	Not available.
· Vapour density	Not available.
· Evaporation rate	Not available.
· Solubility in / Miscibility with	
Water:	Not available
· Partition coefficient (n-octanol/water): Not available	
· Viscosity:	
Dynamic:	Not available.

10 Stability and reactivity

- **Reactivity** No decomposition if used according to specification.
- **Chemical stability** Stable under recommended storage conditions.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

471-34-1 calcium carbonate

Oral	LD50	6450 mg/kg (rat)
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Safety Data Sheet

29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/05/2013

Trade name: Water color

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57-55-6 propane-1,2-diol

Oral	LD50	22000 mg/kg (mouse)
		20000 mg/kg (rat)
		18500 mg/kg (rabbit)

Dermal	LD50	20800 mg/kg (rabbit)
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102-71-6 2,2',2''-nitritotriethanol

Oral	LD50	5846 mg/kg (mouse)
		5530 mg/kg (rat)
		2200 mg/kg (rabbit)

Dermal	LD50	>22500 mg/kg (rabbit)
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· **Primary irritant effect:**· **on the skin:** Irritating effect possible.· **on the eye:** Irritating effect possible.· **Sensitization:** Sensitization possible.· **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations.

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

· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

102-71-6	2,2',2''-nitritotriethanol	3
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· **NTP (National Toxicology Program)**

None of the ingredients is listed.

12 Ecological information· **Toxicity**· **Aquatic toxicity:** No further relevant information available.· **Persistence and degradability** No further relevant information available.· **Bioaccumulative potential** No further relevant information available.· **Mobility in soil** No further relevant information available.· **Additional ecological information:**· **General notes:**

Water hazard class 1 (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· **Waste treatment methods**· **Recommendation:** Smaller quantities can be disposed of with household waste.· **Uncleaned packagings:**· **Recommendation:** Disposal must be made according to official regulations.**14 Transport information**· **UN-Number**· **DOT, IMDG, IATA**

Not applicable

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Trade name: Water color

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· UN proper shipping name · DOT, IMDG, IATA	Not applicable
· Transport hazard class(es) · DOT, IMDG, IATA · Class	Not applicable
· Packing group · DOT, IMDG, IATA	Not applicable
· Environmental hazards · Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture · Sara
· Section 355 (extremely hazardous substances): None of the ingredient is listed.
· Section 313 (Specific toxic chemical listings): None of the ingredients is listed.
· TSCA (Toxic Substances Control Act): All ingredients are listed.
· 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 developmental toxicity: None of the ingredients is listed.
· Carcinogeny categories
· EPA (Environmental Protection Agency) None of the ingredients is listed.
· TLV (Threshold Limit Value established by ACGIH) 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.
· National regulations:
· Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

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(Contd. on page 7)

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Reviewed on 03/05/2013

Trade name: Water color

(Contd. of page 6)

16 Other information

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The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY

The information in this SDS 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 SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

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End of document

SDS Report

No. SHACPCH1302890006

Date: Mar. 15, 2013

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Lanxi Yicai Stationery Co.,Ltd
No 80, Qiuling Road, Economic Developing Area, Lanxi, Zhejiang, China

SGS Ref. No. : SHCPCH130300926-1
Sample Name : Water color
End Uses : Drawing
Composition/Ingredient of sample (as per client submission) : See *section 3 Composition/information on ingredients* on the SDS report
Job Receiving Date : Mar 01, 2013
Last Information Date : Mar 01, 2013
SDS Preparation Period : Mar 01-11, 2013

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g), and is provided per attached.

Signed for and on behalf of
SGS-CSTC Chemical Laboratory



Lindy Liu
Lab Manager

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Safety Data Sheet

29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/06/2013

1 Identification

- **Product identifier**
- **Trade name:** *Water color*
- **Application of the substance / the preparation:** *Drawing*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Lanxi Yicai Stationery Co.,Ltd
No 80, Qiuling Road, Economic Developing Area, Lanxi, Zhejiang, China
Tel: 0086-0579-88966391
Fax: 0086-0579-88966213
- **Further information obtainable from:** *Lanxi Yicai Stationery Co.,Ltd*
- **Emergency telephone number:**
Davis BI
Tel: 15024518671
- **Email:** *261906526@qq.com*
- **Reference Number:** *SHCPCH130300926-1; SHACPCH1302890006*

2 Hazards identification

- **Hazard description:** *Not applicable.*
- **Information pertaining to particular dangers for man and environment:**
The product is not classified as dangerous according to OSHA Hazard Communication standard (29 CFR 1910.1200)
- **Classification system:**
The classification is according to the latest edition of the OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

3 Composition/information on ingredients

- **Chemical characterization:** *Mixtures*
- **Description:** *Mixture of the substances listed below with nonhazardous additions.*

· **Dangerous components:**

471-34-1	calcium carbonate	30.0%
57-55-6	propane-1,2-diol	2.0%
102-71-6	2,2',2''-nitrilotriethanol	2.0%

· **Non dangerous components:**

7732-18-5	water	55.0%
NA	essence	5.0%
1326-03-0	Xanthylum,9-(2-carboxyphenyl)-3,6-bis(diethylamino)-molybdatetungstatephosphate	5.5%
9004-62-0	Hydroxyethyl cellulose	0.5%

· **Remark:**

propane-1,2-diol (CAS No.57-55-6)
Synonym: Propylene glycol

2,2',2''-nitrilotriethanol (CAS No.102-71-6)
Synonym: Triethanolamine

(Contd. on page 2)

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Safety Data Sheet

29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/06/2013

Trade name: Water color

(Contd. of page 1)

N-(5-chloro-2,4-dimethoxyphenyl)-4-[[5-[(diethylamino)sulphonyl]-2-methoxyphenyl]azo]-3-hydroxynaphthalene-2-carboxamide (CAS No.6410-41-9)
 Synonym: Pigment Red 5

4 First aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth with water.
Never give anything by mouth to an unconscious person.
If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Suitable extinguishing agents:**
 CO_2 extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Ensure adequate ventilation
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.
Avoid contact with eyes.
- **Information about protection against explosions and fires:** Normal measures for preventive fire protection.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.

(Contd. on page 3)

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Safety Data Sheet

29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/06/2013

Trade name: Water color

(Contd. of page 2)

- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from oxidizing agents.
Do not store together with acidic materials.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

471-34-1 calcium carbonate	
PEL	15* 5** mg/m ³ *total dust **respirable fraction
REL	10* 5** mg/m ³ *total dust **respirable fraction
TLV	TLV withdrawn
57-55-6 propane-1,2-diol	
WEEL	10 mg/m ³
102-71-6 2,2',2''-nitritotriethanol	
TLV	5 mg/m ³

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**

- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure:**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

- **Breathing equipment:** Suitable respiratory protective device recommended.

- **Protection of hands:**



Protective gloves

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 the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer 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.

- **Penetration time of glove material**

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

(Contd. on page 4)

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Printing date 03/14/2013

Reviewed on 03/06/2013

Trade name: Water color

(Contd. of page 3)

· Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

· Form:	Paste
· Color:	Pink
· Odor:	Watermelon
· Odour threshold:	Not available

· pH-value: 7.5~9

· Change in condition

· Melting point/Melting range:	Not available.
· Freezing point:	Not available
· Boiling point/Boiling range:	> 120 °C (> 248 °F)

· Flash point: Not available

· Flammability (solid, gaseous): Not available

· Auto-Ignition temperature: Not available

· Decomposition temperature: Not available

· Explosion limits:

· Lower:	Not available.
· Upper:	Not available.

· Vapor pressure: Not available.

· Density: Not available.

· Relative density: Not available.

· Vapour density: Not available.

· Evaporation rate: Not available.

· Solubility in / Miscibility with

Water: Not available

· Partition coefficient (n-octanol/water): Not available

· Viscosity:

Dynamic: Not available.

10 Stability and reactivity

· Reactivity No decomposition if used according to specification.

· Chemical stability Stable under recommended storage conditions.

· Possibility of hazardous reactions No dangerous reactions known.

· Conditions to avoid No further relevant information available.

· Incompatible materials: No further relevant information available.

· Hazardous decomposition products: No dangerous decomposition products known.

USA

(Contd. on page 5)

Safety Data Sheet

29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/06/2013

Trade name: Water color

(Contd. of page 4)

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

471-34-1 calcium carbonate

Oral	LD50	6450 mg/kg (rat)
------	------	------------------

57-55-6 propane-1,2-diol

Oral	LD50	22000 mg/kg (mouse)
------	------	---------------------

	20000 mg/kg (rat)
--	-------------------

	18500 mg/kg (rabbit)
--	----------------------

Dermal	LD50	20800 mg/kg (rabbit)
--------	------	----------------------

102-71-6 2,2',2''-nitrioltriethanol

Oral	LD50	5846 mg/kg (mouse)
------	------	--------------------

	5530 mg/kg (rat)
--	------------------

	2200 mg/kg (rabbit)
--	---------------------

Dermal	LD50	>22500 mg/kg (rabbit)
--------	------	-----------------------

- **Primary irritant effect:**

- **on the skin:** Irritating effect possible.

- **on the eye:** Irritating effect possible.

- **Sensitization:** Sensitization possible.

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations.

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

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

102-71-6	2,2',2''-nitrioltriethanol	3
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- **NTP (National Toxicology Program)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (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

- **Waste treatment methods**

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

(Contd. on page 6)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/06/2013

Trade name: Water color

(Contd. of page 5)

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|-----------------|
| · UN-Number | |
| · DOT, IMDG, IATA | Not applicable |
| · UN proper shipping name | |
| · DOT, IMDG, IATA | Not applicable |
| · Transport hazard class(es) | |
| · DOT, IMDG, IATA | |
| · Class | Not applicable |
| · Packing group | |
| · DOT, IMDG, IATA | Not applicable |
| · Environmental hazards | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **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 developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

(Contd. on page 7)

Safety Data Sheet

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· **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

· **National regulations:**

· **Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.**

16 Other information

The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY

The information in this SDS 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 SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

End of document

SDS Report

No. SHACPCH1302890007

Date: Mar. 15, 2013

Page 1 of 1

Lanxi Yicai Stationery Co.,Ltd
No 80, Qiuling Road, Economic Developing Area, Lanxi, Zhejiang, China

SGS Ref. No. : SHCPCH130300926-1
Sample Name : Water color
End Uses : Drawing
Composition/Ingredient of sample (as per client submission) : See *section 3 Composition/information on ingredients* on the SDS report
Job Receiving Date : Mar 01, 2013
Last Information Date : Mar 01, 2013
SDS Preparation Period : Mar 01-11, 2013

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g), and is provided per attached.

Signed for and on behalf of
SGS-CSTC Chemical Laboratory



Lindy Liu
Lab Manager

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Safety Data Sheet

29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/06/2013

1 Identification

- **Product identifier**
- **Trade name:** *Water color*
- **Application of the substance / the preparation:** *Drawing*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Lanxi Yicai Stationery Co.,Ltd
No 80, Qiuling Road, Economic Developing Area, Lanxi, Zhejiang, China
Tel: 0086-0579-88966391
Fax: 0086-0579-88966213
- **Further information obtainable from:** *Lanxi Yicai Stationery Co.,Ltd*
- **Emergency telephone number:**
Davis BI
Tel: 15024518671
- **Email:** *261906526@qq.com*
- **Reference Number:** *SHCPCH130300926-1; SHACPCH1302890007*

2 Hazards identification

- **Hazard description:** *Not applicable.*
- **Information pertaining to particular dangers for man and environment:**
The product is not classified as dangerous according to OSHA Hazard Communication standard (29 CFR 1910.1200)
- **Classification system:**
The classification is according to the latest edition of the OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

3 Composition/information on ingredients

- **Chemical characterization:** *Mixtures*
- **Description:** *Mixture of the substances listed below with nonhazardous additions.*

· **Dangerous components:**

471-34-1	calcium carbonate	30.0%
57-55-6	propane-1,2-diol	2.0%
102-71-6	2,2',2''-nitrilotriethanol	2.0%

· **Non dangerous components:**

7732-18-5	water	55.0%
NA	essence	5.0%
3520-72-7	4,4'-[(3,3'-Dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-one]	5.5%
9004-62-0	Hydroxyethyl cellulose	0.5%

- **Remark:**

(Contd. on page 2)

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Safety Data Sheet

29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/06/2013

Trade name: Water color

(Contd. of page 1)

propane-1,2-diol (CAS No.57-55-6)
 Synonym: Propylene glycol

2,2',2''-nitrioltriethanol (CAS No.102-71-6)
 Synonym: Triethanolamine

4 First aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
 Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
 Rinse out mouth with water.
 Never give anything by mouth to an unconscious person.
 If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
 No further relevant information available.

5 Firefighting measures

- **Suitable extinguishing agents:**
 CO₂ extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:**
 Wear fully protective suit.
 Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
 Ensure adequate ventilation
 Use respiratory protective device against the effects of fumes/dust/aerosol.
 Avoid contact with eyes.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling:**
 Ensure good ventilation/exhaustion at the workplace.
 Keep receptacles tightly sealed.
 Keep away from heat and direct sunlight.
 Prevent formation of aerosols.
 Avoid contact with eyes.
- **Information about protection against explosions and fires:** Normal measures for preventive fire protection.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.

(Contd. on page 3)

Safety Data Sheet

29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/06/2013

Trade name: Water color

(Contd. of page 2)

- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from oxidizing agents.
Do not store together with acidic materials.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

471-34-1 calcium carbonate	
PEL	15* 5** mg/m ³ *total dust **respirable fraction
REL	10* 5** mg/m ³ *total dust **respirable fraction
TLV	TLV withdrawn
57-55-6 propane-1,2-diol	
WEEL	10 mg/m ³
102-71-6 2,2',2''-nitritotriethanol	
TLV	5 mg/m ³
13463-67-7 titanium dioxide	
PEL	15* mg/m ³ *total dust
REL	See Pocket Guide App. A
TLV	10 mg/m ³

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure:**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

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 the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer 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.

- **Penetration time of glove material**

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

(Contd. on page 4)

Safety Data Sheet

29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/06/2013

Trade name: Water color

(Contd. of page 3)

· Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

· Form:	Paste
· Color:	Orange
· Odor:	Orange
· Odour threshold:	Not available

· pH-value: 7.5~9

· Change in condition

· Melting point/Melting range:	Not available.
· Freezing point:	Not available
· Boiling point/Boiling range:	> 120 °C (> 248 °F)

· Flash point: Not available

· Flammability (solid, gaseous): Not available

· Auto-Ignition temperature: Not available

· Decomposition temperature: Not available

· Explosion limits:

· Lower:	Not available.
· Upper:	Not available.

· Vapor pressure: Not available.

· Density: Not available.

· Relative density: Not available.

· Vapour density: Not available.

· Evaporation rate: Not available.

· Solubility in / Miscibility with

Water: Not available

· Partition coefficient (n-octanol/water): Not available

· Viscosity:

Dynamic: Not available.

10 Stability and reactivity

- **Reactivity** No decomposition if used according to specification.
- **Chemical stability** Stable under recommended storage conditions.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

USA

(Contd. on page 5)

Safety Data Sheet

29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/06/2013

Trade name: Water color

(Contd. of page 4)

11 Toxicological information

- Information on toxicological effects

- Acute toxicity:

- LD/LC50 values that are relevant for classification:

471-34-1 calcium carbonate

Oral	LD50	6450 mg/kg (rat)
------	------	------------------

57-55-6 propane-1,2-diol

Oral	LD50	22000 mg/kg (mouse)
		20000 mg/kg (rat)
		18500 mg/kg (rabbit)
Dermal	LD50	20800 mg/kg (rabbit)

102-71-6 2,2',2''-nitrioltriethanol

Oral	LD50	5846 mg/kg (mouse)
		5530 mg/kg (rat)
		2200 mg/kg (rabbit)
Dermal	LD50	>22500 mg/kg (rabbit)

13463-67-7 titanium dioxide

Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)

- Primary irritant effect:

- on the skin: Irritating effect possible.

- on the eye: Irritating effect possible.

- Sensitization: Sensitization possible.

- Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations.

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

- Carcinogenic categories

- IARC (International Agency for Research on Cancer)

102-71-6	2,2',2''-nitrioltriethanol	3
----------	----------------------------	---

- NTP (National Toxicology Program)

None of the ingredients is listed.

12 Ecological information

- Toxicity

- Aquatic toxicity: No further relevant information available.

- Persistence and degradability No further relevant information available.

- Bioaccumulative potential No further relevant information available.

- Mobility in soil No further relevant information available.

- Additional ecological information:

- General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

(Contd. on page 6)

Safety Data Sheet

29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/06/2013

Trade name: Water color

(Contd. of page 5)

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

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|-----------------|
| · UN-Number | |
| · DOT, IMDG, IATA | Not applicable |
| · UN proper shipping name | |
| · DOT, IMDG, IATA | Not applicable |
| · Transport hazard class(es) | |
| · DOT, IMDG, IATA | |
| · Class | Not applicable |
| · Packing group | |
| · DOT, IMDG, IATA | Not applicable |
| · Environmental hazards | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **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 developmental toxicity:**

None of the ingredients is listed.

(Contd. on page 7)

Safety Data Sheet

29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/06/2013

Trade name: Water color

(Contd. of page 6)

· **Carcinogenicity categories**· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

13463-67-7 titanium dioxide

A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

13463-67-7 titanium dioxide

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **National regulations:**· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information

. *****

The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY

The information in this SDS 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 SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

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End of document

SDS Report

No. SHACPCH1302890007

Date: Mar. 15, 2013

Page 1 of 1

Lanxi Yicai Stationery Co.,Ltd
No 80, Qiuling Road, Economic Developing Area, Lanxi, Zhejiang, China

SGS Ref. No. : SHCPCH130300926-1
Sample Name : Water color
End Uses : Drawing
Composition/Ingredient of sample (as per client submission) : See *section 3 Composition/information on ingredients* on the SDS report
Job Receiving Date : Mar 01, 2013
Last Information Date : Mar 01, 2013
SDS Preparation Period : Mar 01-11, 2013

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g), and is provided per attached.

Signed for and on behalf of
SGS-CSTC Chemical Laboratory



Lindy Liu
Lab Manager

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Safety Data Sheet

29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/06/2013

1 Identification

- **Product identifier**
- **Trade name:** *Water color*
- **Application of the substance / the preparation:** *Drawing*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Lanxi Yicai Stationery Co.,Ltd
No 80, Qiuling Road, Economic Developing Area, Lanxi, Zhejiang, China
Tel: 0086-0579-88966391
Fax: 0086-0579-88966213
- **Further information obtainable from:** *Lanxi Yicai Stationery Co.,Ltd*
- **Emergency telephone number:**
Davis BI
Tel: 15024518671
- **Email:** *261906526@qq.com*
- **Reference Number:** *SHCPCH130300926-1; SHACPCH1302890007*

2 Hazards identification

- **Hazard description:** *Not applicable.*
- **Information pertaining to particular dangers for man and environment:**
The product is not classified as dangerous according to OSHA Hazard Communication standard (29 CFR 1910.1200)
- **Classification system:**
The classification is according to the latest edition of the OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

3 Composition/information on ingredients

- **Chemical characterization:** *Mixtures*
- **Description:** *Mixture of the substances listed below with nonhazardous additions.*

· **Dangerous components:**

<i>471-34-1</i>	<i>calcium carbonate</i>	<i>30.0%</i>
<i>57-55-6</i>	<i>propane-1,2-diol</i>	<i>2.0%</i>
<i>102-71-6</i>	<i>2,2',2''-nitrilotriethanol</i>	<i>2.0%</i>

· **Non dangerous components:**

<i>7732-18-5</i>	<i>water</i>	<i>55.0%</i>
<i>NA</i>	<i>essence</i>	<i>5.0%</i>
<i>6358-30-1</i>	<i>8,18-dichloro-5,15-diethyl-5,15-dihydrodiindolo[3,2-b:3',2'-m]triphenodioxazine</i>	<i>5.5%</i>
<i>9004-62-0</i>	<i>Hydroxyethyl cellulose</i>	<i>0.5%</i>

- **Remark:**

(Contd. on page 2)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/06/2013

Trade name: Water color

(Contd. of page 1)

propane-1,2-diol (CAS No.57-55-6)
Synonym: Propylene glycol

2,2',2''-nitrioltriethanol (CAS No.102-71-6)
Synonym: Triethanolamine

4 First aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth with water.
Never give anything by mouth to an unconscious person.
If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Suitable extinguishing agents:**
CO₂ extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Ensure adequate ventilation
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.
Avoid contact with eyes.
- **Information about protection against explosions and fires:** Normal measures for preventive fire protection.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.

(Contd. on page 3)

Safety Data Sheet

29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/06/2013

Trade name: Water color

(Contd. of page 2)

- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from oxidizing agents.
Do not store together with acidic materials.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

471-34-1 calcium carbonate	
PEL	15* 5** mg/m ³ *total dust **respirable fraction
REL	10* 5** mg/m ³ *total dust **respirable fraction
TLV	TLV withdrawn
57-55-6 propane-1,2-diol	
WEEL	10 mg/m ³
102-71-6 2,2',2''-nitritotriethanol	
TLV	5 mg/m ³
13463-67-7 titanium dioxide	
PEL	15* mg/m ³ *total dust
REL	See Pocket Guide App. A
TLV	10 mg/m ³

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure:**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

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 the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer 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.

- **Penetration time of glove material**

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

(Contd. on page 4)

Safety Data Sheet

29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/06/2013

Trade name: Water color

(Contd. of page 3)

· Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

· Form:	Paste
· Color:	Purple
· Odor:	Grape
· Odour threshold:	Not available

· pH-value: 7.5~9

· Change in condition

· Melting point/Melting range:	Not available.
· Freezing point:	Not available
· Boiling point/Boiling range:	> 120 °C (> 248 °F)

· Flash point: Not available

· Flammability (solid, gaseous): Not available

· Auto-Ignition temperature: Not available

· Decomposition temperature: Not available

· Explosion limits:

· Lower:	Not available.
· Upper:	Not available.

· Vapor pressure: Not available.

· Density: Not available.

· Relative density: Not available.

· Vapour density: Not available.

· Evaporation rate: Not available.

· Solubility in / Miscibility with

Water: Not available

· Partition coefficient (n-octanol/water): Not available

· Viscosity:

Dynamic: Not available.

10 Stability and reactivity

· Reactivity No decomposition if used according to specification.

· Chemical stability Stable under recommended storage conditions.

· Possibility of hazardous reactions No dangerous reactions known.

· Conditions to avoid No further relevant information available.

· Incompatible materials: No further relevant information available.

· Hazardous decomposition products: No dangerous decomposition products known.

USA

(Contd. on page 5)

Safety Data Sheet

29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/06/2013

Trade name: Water color

(Contd. of page 4)

11 Toxicological information

- Information on toxicological effects

- Acute toxicity:

- LD/LC50 values that are relevant for classification:

471-34-1 calcium carbonate

Oral	LD50	6450 mg/kg (rat)
------	------	------------------

57-55-6 propane-1,2-diol

Oral	LD50	22000 mg/kg (mouse)
		20000 mg/kg (rat)
		18500 mg/kg (rabbit)
Dermal	LD50	20800 mg/kg (rabbit)

102-71-6 2,2',2''-nitrioltriethanol

Oral	LD50	5846 mg/kg (mouse)
		5530 mg/kg (rat)
		2200 mg/kg (rabbit)
Dermal	LD50	>22500 mg/kg (rabbit)

13463-67-7 titanium dioxide

Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)

- Primary irritant effect:

- on the skin: Irritating effect possible.

- on the eye: Irritating effect possible.

- Sensitization: Sensitization possible.

- Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations.

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

- Carcinogenic categories

- IARC (International Agency for Research on Cancer)

102-71-6	2,2',2''-nitrioltriethanol	3
----------	----------------------------	---

- NTP (National Toxicology Program)

None of the ingredients is listed.

12 Ecological information

- Toxicity

- Aquatic toxicity: No further relevant information available.

- Persistence and degradability No further relevant information available.

- Bioaccumulative potential No further relevant information available.

- Mobility in soil No further relevant information available.

- Additional ecological information:

- General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

(Contd. on page 6)

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

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|-----------------|
| · UN-Number | |
| · DOT, IMDG, IATA | Not applicable |
| · UN proper shipping name | |
| · DOT, IMDG, IATA | Not applicable |
| · Transport hazard class(es) | |
| · DOT, IMDG, IATA | |
| · Class | Not applicable |
| · Packing group | |
| · DOT, IMDG, IATA | Not applicable |
| · Environmental hazards | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **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 developmental toxicity:**

None of the ingredients is listed.

(Contd. on page 7)

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Reviewed on 03/06/2013

Trade name: Water color

(Contd. of page 6)

· **Carcinogenicity categories**· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

13463-67-7 titanium dioxide

A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

13463-67-7 titanium dioxide

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **National regulations:**· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information

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The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY

The information in this SDS 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 SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

. *****

End of document

SDS Report

No. SHACPCH1302890004

Date: Mar. 15, 2013

Page 1 of 1

Lanxi Yicai Stationery Co.,Ltd
No 80, Qiuling Road, Economic Developing Area, Lanxi, Zhejiang, China

SGS Ref. No. : SHCPCH130300926-1
Sample Name : Water color
End Uses : Drawing
Composition/Ingredient of sample (as per client submission) : See *section 3 Composition/information on ingredients* on the SDS report
Job Receiving Date : Mar 01, 2013
Last Information Date : Mar 01, 2013
SDS Preparation Period : Mar 01-11, 2013

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g), and is provided per attached.

Signed for and on behalf of
SGS-CSTC Chemical Laboratory



Lindy Liu
Lab Manager

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Safety Data Sheet

29 CFR 1910.1200

Printing date 03/14/2013

Reviewed on 03/06/2013

1 Identification

- **Product identifier**
- **Trade name:** *Water color*
- **Application of the substance / the preparation:** *Drawing*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Lanxi Yicai Stationery Co.,Ltd
No 80, Qiuling Road, Economic Developing Area, Lanxi, Zhejiang, China
Tel: 0086-0579-88966391
Fax: 0086-0579-88966213
- **Further information obtainable from:** *Lanxi Yicai Stationery Co.,Ltd*
- **Emergency telephone number:**
Davis BI
Tel: 15024518671
- **Email:** *261906526@qq.com*
- **Reference Number:** *SHCPCH130300926-1; SHACPCH1302890004*

2 Hazards identification

- **Hazard description:** *Not applicable.*
- **Information pertaining to particular dangers for man and environment:**
The product is not classified as dangerous according to OSHA Hazard Communication standard (29 CFR 1910.1200)
- **Classification system:**
The classification is according to the latest edition of the OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

3 Composition/information on ingredients

- **Chemical characterization:** *Mixtures*
- **Description:** *Mixture of the substances listed below with nonhazardous additions.*

· **Dangerous components:**

471-34-1	calcium carbonate	30.0%
57-55-6	propane-1,2-diol	2.0%
102-71-6	2,2',2''-nitrilotriethanol	2.0%

· **Non dangerous components:**

7732-18-5	water	55.0%
NA	essence	5.0%
3520-72-7	4,4'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-one]	5.5%
9004-62-0	Hydroxyethyl cellulose	0.5%

· **Remark:**

propane-1,2-diol (CAS No.57-55-6)
Synonym: Propylene glycol
2,2',2''-nitrilotriethanol (CAS No.102-71-6)
Synonym: Triethanolamine

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USA

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Reviewed on 03/06/2013

Trade name: Water color

(Contd. of page 1)

4,4'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-one]
(CAS No.3520-72-7)

Synonym: Permanent Orange G

4 First aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth with water.
Never give anything by mouth to an unconscious person.
If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Suitable extinguishing agents:**
CO₂ extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Ensure adequate ventilation
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
Prevent formation of aerosols.
Avoid contact with eyes.
- **Information about protection against explosions and fires:** Normal measures for preventive fire protection.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.

(Contd. on page 3)

Safety Data Sheet

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Printing date 03/14/2013

Reviewed on 03/06/2013

Trade name: Water color

(Contd. of page 2)

- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from oxidizing agents.
Do not store together with acidic materials.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

471-34-1 calcium carbonate	
PEL	15* 5** mg/m ³ *total dust **respirable fraction
REL	10* 5** mg/m ³ *total dust **respirable fraction
TLV	TLV withdrawn
57-55-6 propane-1,2-diol	
WEEL	10 mg/m ³
102-71-6 2,2',2''-nitritotriethanol	
TLV	5 mg/m ³

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**

- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure:**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

- **Breathing equipment:** Suitable respiratory protective device recommended.

- **Protection of hands:**



Protective gloves

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 the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer 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.

- **Penetration time of glove material**

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

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Trade name: Water color

(Contd. of page 3)

· Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

· Form:	Paste
· Color:	Yellow
· Odor:	Lemon
· Odour threshold:	Not available

· pH-value: 7.5~9

· Change in condition

· Melting point/Melting range:	Not available.
· Freezing point:	Not available
· Boiling point/Boiling range:	> 120 °C (> 248 °F)

· Flash point: Not available

· Flammability (solid, gaseous): Not available

· Auto-Ignition temperature: Not available

· Decomposition temperature: Not available

· Explosion limits:

· Lower:	Not available.
· Upper:	Not available.

· Vapor pressure: Not available.

· Density: Not available.

· Relative density: Not available.

· Vapour density: Not available.

· Evaporation rate: Not available.

· Solubility in / Miscibility with

Water: Not available

· Partition coefficient (n-octanol/water): Not available

· Viscosity:

Dynamic: Not available.

10 Stability and reactivity

- **Reactivity** No decomposition if used according to specification.
- **Chemical stability** Stable under recommended storage conditions.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

USA

(Contd. on page 5)

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Trade name: Water color

(Contd. of page 4)

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

471-34-1 calcium carbonate

Oral	LD50	6450 mg/kg (rat)
------	------	------------------

57-55-6 propane-1,2-diol

Oral	LD50	22000 mg/kg (mouse)
------	------	---------------------

		20000 mg/kg (rat)
--	--	-------------------

		18500 mg/kg (rabbit)
--	--	----------------------

Dermal	LD50	20800 mg/kg (rabbit)
--------	------	----------------------

102-71-6 2,2',2''-nitrioltriethanol

Oral	LD50	5846 mg/kg (mouse)
------	------	--------------------

		5530 mg/kg (rat)
--	--	------------------

		2200 mg/kg (rabbit)
--	--	---------------------

Dermal	LD50	>22500 mg/kg (rabbit)
--------	------	-----------------------

3520-72-7 4,4'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-one]

Oral	LD50	> 5000 mg/kg (rat)
------	------	--------------------

- **Primary irritant effect:**

- **on the skin:** Irritating effect possible.

- **on the eye:** Irritating effect possible.

- **Sensitization:** Sensitization possible.

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations.

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

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

102-71-6	2,2',2''-nitrioltriethanol	3
----------	----------------------------	---

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (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.

USA

(Contd. on page 6)

Safety Data Sheet

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Printing date 03/14/2013

Reviewed on 03/06/2013

Trade name: Water color

(Contd. of page 5)

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|-----------------|
| · UN-Number | |
| · DOT, IMDG, IATA | Not applicable |
| · UN proper shipping name | |
| · DOT, IMDG, IATA | Not applicable |
| · Transport hazard class(es) | |
| · DOT, IMDG, IATA | |
| · Class | Not applicable |
| · Packing group | |
| · DOT, IMDG, IATA | Not applicable |
| · Environmental hazards | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **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 developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenicity categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

(Contd. on page 7)

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Printing date 03/14/2013

Reviewed on 03/06/2013

Trade name: Water color

(Contd. of page 6)

· **TLV (Threshold Limit Value established by ACGIH)**

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.

· **National regulations:**

· **Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.**

16 Other information

The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY

The information in this SDS 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 SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

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