

# Safety Data Sheet (SDS)

NO.: A001R191206006001

Date: Dec 6, 2019

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**Applicant:** NINGBO CHIHAN INTERNATIONAL CO.,LTD

**Address:** Block B,No.42 Yaohang Street, Ningbo, China

**Sample information:**

**Sample name:**Furniture & Floor Repair Marker Ink-Dark gray

**Issue date:** Dec 6, 2019

**Test Requested:**

As specified by the client, to edit Safety Data Sheet (SDS) according to OSHA HazCom 2012 Standard.

Dongguan City Tianrun Testing Technology Co.,Ltd.



# Safety Data Sheet (SDS)

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## Safety Data Sheet (SDS)

### Section 1 - Chemical Product and Company Identification

#### 1.1 Identification of the chemical (substance or preparation)

Furniture & Floor Repair Marker Ink-Dark gray

#### 1.2 Company identification

**Company name:** Ningbo Chihan International Co., Ltd

**Address:** Block B, No.42 Yaohang Street, Ningbo, China

**Telephone number:** 0574-87641411

**E-Mail (person responsible for SDS):** kevin760@chihan.com.cn

### Section 2 - Hazards Identification

**2.1 GHS Hazard Categories:** Flammable liquid: Category 3; Specific target organ toxicity: Anesthetic effect Category 3

#### 2.2 Pictograms:



**Signal word:** Danger

#### 2.3 Hazard statement(s):

H226: Flammable liquid and vapour.

H336: May cause drowsiness or dizziness.

#### 2.4 Precautionary statement(s):

##### •Prevention:

P260: Do not breathe dust/fume/gas/mist/vapors/spray

P264: Wash skin and clothing thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

##### •Response:

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

##### •Storage:

P235 Keep cool.

##### •Disposal:

P501 Dispose of contents and container in accordance with national regulations.

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### Section 3 - Composition/Information on Ingredient

#### 3.1 General Chemical Description

##### Admixture

#### 3.2 Base Substances of Preparation

##### Composition:

Chemical Name	In % By Weight	CAS No.	Classification and hazard labeling
Ethanol	49%	64-17-5	Flammable,H225
1-Methoxy-2-propanol	32%	107-98-2	Flammable,H226; Lethargy, H336
Ketone aldehyde resin	15%	25054-06-2	Not classified
Red 92	0.5%	18472-87-2	Not classified
Solvent Red 8	1%	33270-70-1	Not classified
Solvent Black 5	2.5%	11099-03-9	Not classified

### Section 4 - First Aid Measures

#### 4.1 General information

Exposure Route	Specific First Aid Measures
Inhalation	Remove casualty to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist or breathing gets difficult, consult a physician immediately.
Skin	Remove contaminated clothes and rinse the skin with plenty of water and soap, clean the soiled clothes before wearing.
Eye contact	Lifting the upper and lower eyelids, flush the eyes with plenty of water or saline water.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Contact a doctor immediately.

#### 4.2 Advice to doctor

Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

#### 5.1 Suitable fire-fighting equipment

	Suitable	Unsuitable
Fire fighting equipment	Mist water, dry powder, foam,carbon dioxide	-
Protection gear	Protective mask	-

#### 5.2 Dangerous decomposition products:

The product can burn.

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### 5.3 Additional information for firefighters

Evacuate personnel to safe areas. As in any fire, Wear self-contained breathing apparatus and full protective gear for firefighting. Stand upwind.

## Section 6 - Accidental Release Measures

### 6.1 Personal precautions

Collect leaks. Evacuate area. Ventilate area. Use personal protective equipment: Chemical protection suit including self-contained breathing apparatus. Avoid contact with skin and eyes.

### 6.2 Methods for cleaning up/taking up

Leakage of contaminated areas to evacuate personnel to safety, as far as possible to cut off sources of pollution, prevent access to sewers. The proposed emergency personnel wearing a dust mask (full cover), wearing work clothes. Small amount of divulgence: Clean off. Collecte in a dry, clean, covered container and transferred to safe place; Massive divulgence: Recycle or transport to waste treatment place for handling.

## Section 7 - Handling and Storage

**7.1 Handling:** Supply with sufficient partial air exhaust. The operating staff must have received special training and abide by the operating regulations. It is advised that the staff wear appropriate personal protective equipment. Keep away from the fire source, heat source, no smoking in the work place. Take care when lifting and handling in case of damaging the package. Equip with relevant types and quantities of extinguishment instruments and device for divulgence handling.

**7.2 Storage:** Keep in sealed container, place in a cool dry place. The storage place should be equipped with devices for divulgence handling and suitable shelter materials.

## Section 8 - Exposure Controls, Personal Protection

### 8.1 Exposure controls

#### Occupational exposure limit:

**MAC(mg/m3):**No information

**TWA(mg/m3):**No information

**STEL(mg/m3):**No information

**Engineering control:** The production process space is closed, need to strengthen the ventilation. Make sure that there is a wash and shower in the vicinity of the workplace. Set emergency evacuation routes.

**Respiratory Protection:** No protection in normal situation. High concentration contact can wear on the filter type gas mask.

**Eyes Protection:** No protection in normal situation. Wear protective glasses if necessary.

**Body Protection:** Wear work clothes.

**Hands Protection:** Wear protective gloves.

**Other Protections:** No smoking, dining and drinking water in the workplace. Keep good habit of hygiene.

# Safety Data Sheet

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### Section 9 - Physical and Chemical Properties

#### 9.1 General information

**Appearance:** Liquid-Dark gray

**Odour:** Slight alcohol odor

#### 9.2 Important health, safety and environmental information

Acidity/pH	Not applicable
Boiling point/boiling range	96°C
Melting point/range	Not applicable
Flash point	53°C
Flammability (solid, gas)	Not determined
Explosive properties	Not determined
Oxidising properties	Not determined
Vapour pressure	19 hPa (20°C)
Relative density	0.86g/cm <sup>3</sup> (20°C)
Solubility	Not determined
Water solubility	Insoluble in water
Partition coefficient: n-octanol/water	Not applicable
Viscosity	Not applicable
Vapour density	Not applicable
Evaporation rate	Not applicable

**9.3 Other information:**No further relevant information available.

### Section 10 - Stability and Reactivity

#### 10.1 Conditions to avoid

Flame.

#### 10.2 Materials to avoid

Strong oxidizing agent, strong acid.

#### 10.3 Hazardous decomposition products

In normal condition of storage and use,hazardous decomposition products should not be produced.

#### 10.4 Stability

Stable under normal temperature and pressure.

#### 10.5 Hazardous Polymerization

No further relevant information available.

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### Section 11 - Toxicological Information

**Acute oral toxicity:**Ethanol:LD 50 (oral) 7060mg/kg(Rat) ;LC 50 (inhalation,4h)39mg/L(Mouse);

**1-Methoxy-2-propanol:**LD 50 (oral) 5300mg/kg(Rat).

**Acute dermal toxicity:**No known significant effects or serious harm.

**Acute inhalational toxicity:**No known significant effects or serious harm.

**Irritant effect on skin:**No known significant effects or serious harm.

**Irritant effect on eye:**No known significant effects or serious harm.

**Sensitization:**No known significant effects or serious harm.

**Carcinogenicity:**No known significant effects or serious harm.

**Mutagenicity:**No known significant effects or serious harm.

**Reproduction toxicity:**No known significant effects or serious harm.

**Accumulative toxic effect:**No known significant effects or serious harm.

### Section 12 - Ecological Information

#### 12.1 Ecotoxicity

The substance has influence to the aquatic organisms.

#### 12.2 Mobility

No further relevant information available.

#### 12.3 Persistence and degradability

No further relevant information available.

#### 12.4 Bioaccumulative potential

No further relevant information available.

#### 12.5 Results of PBT assessment

No further relevant information available.

#### 12.6 Environmental impact:

The substance has influence to the aquatic organisms.

### Section 13 - Disposal Considerations

**13.1 Disposal method:** Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

**13.2 Disposal considerations:** Choose to have certified disposal contractor.

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## Section 14 - Transport Information

**UN number:**UN1987

**Risk classification:**Class 3 Flammable liquid

**Land Transport ADR/RID:**Class 3 dangerous goods handling.

**Maritime Transport IMO IMDG:**Class 3 dangerous goods handling.

**Air Transport IATA/ICAO:**Class 3 dangerous goods handling.

**Packaging Information:** III

**Transport Fashion:**By sea、 By air、 By rail、 By highway

**Transport Attentions:** No collapse or no damage during the course of transportation. Corresponding varieties and number of fire equipment and contingency processing equipment should be equipped during the course of transportation. Strictly prohibit put the goods together with oxidizer, acid, etc. for transport. During transport, the goods should prevent exposure, rain and high temperature. Keep away from fire.

## Section 15 - Regulatory Information

**Regulatory Information:**

**OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).**

ISO 11014-2009 Safety data sheet for chemical products - Content and order of sections.

Regulation (EC) No. 1272/2013 Classification, Labeling and Packaging of Substances and Mixtures.

《Dangerous Goods Regulation》

《International Maritime Dangerous Goods》

《Classification and code of dangerous goods》

## Section 16 - Additional Information

This safety data sheet was prepared in accordance with UN GHS Rev.7, OSHA HazCom 2012 Standard.

### 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 SDS\*\*\*

# Safety Data Sheet (SDS)

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**Applicant:** NINGBO CHIHAN INTERNATIONAL CO.,LTD

**Address:** Block B,No.42 Yaohang Street, Ningbo, China

**Sample information:**

**Sample name:**Furniture & Floor Repair Marker Ink-Ivory

**Issue date:** Dec 6, 2019

**Test Requested:**

As specified by the client, to edit Safety Data Sheet (SDS) according to OSHA HazCom 2012 Standard.

Dongguan City Tianrun Testing Technology Co.,Ltd.





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## Safety Data Sheet (SDS)

### Section 1 - Chemical Product and Company Identification

#### 1.1 Identification of the chemical (substance or preparation)

Furniture & Floor Repair Marker Ink-Ivory

#### 1.2 Company identification

**Company name:** Ningbo Chihan International Co., Ltd

**Address:** Block B, No.42 Yaohang Street, Ningbo, China

**Telephone number:** 0574-87641411

**E-Mail (person responsible for SDS):** kevin760@chihan.com.cn

### Section 2 - Hazards Identification

**2.1 GHS Hazard Categories:** Skin corrosion / irritation: category 2; Eye damage/irritation: category 2;

Harm to aquatic environment: Long term harm: category 3.

#### 2.2 Pictograms:



**Signal word:** Danger

#### 2.3 Hazard statement(s):

H412: Is toxic to aquatic organisms and has a long-term lasting effect.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

#### 2.4 Precautionary statement(s):

##### •Prevention:

P260: Do not breathe dust/fume/gas/mist/vapors/spray P264: Wash skin and clothing thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

##### •Response:

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

##### •Storage:

P235 Keep cool.

##### •Disposal:

P501 Dispose of contents and container in accordance with national regulations.

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### Section 3 - Composition/Information on Ingredient

#### 3.1 General Chemical Description

##### Admixture

#### 3.2 Base Substances of Preparation

##### Composition:

Chemical Name	In % By Weight	CAS No.	Classification and hazard labeling
Water	49%	7732-18-5	Not classified
Water-soluble acrylic resin	30%	25767-39-9	⚠ Skin Irrit, H315; ⚠ Eye Irrit, H319 ⚠ Acute tox, H412
Titanium dioxide	20%	13463-67-7	Not classified
C.I. Pigment Red 112	0.2%	6535-46-2	Not classified
CI 21100	0.8%	5102-83-0	Not classified

### Section 4 - First Aid Measures

#### 4.1 General information

Exposure Route	Specific First Aid Measures
Inhalation	Remove casualty to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist or breathing gets difficult, consult a physician immediately.
Skin	Remove contaminated clothes and rinse the skin with plenty of water and soap, clean the soiled clothes before wearing.
Eye contact	Lifting the upper and lower eyelids, flush the eyes with plenty of water or saline water.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Contact a doctor immediately.

#### 4.2 Advice to doctor

Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

#### 5.1 Suitable fire-fighting equipment

	Suitable	Unsuitable
Fire fighting equipment	Mist water, dry powder, foam, carbon dioxide	-
Protection gear	Protective mask	-

#### 5.2 Dangerous decomposition products:

The product can not burn.

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### 5.3 Additional information for firefighters

Evacuate personnel to safe areas. As in any fire, Wear self-contained breathing apparatus and full protective gear for firefighting. Stand upwind.

## Section 6 - Accidental Release Measures

### 6.1 Personal precautions

Collect leaks. Evacuate area. Ventilate area. Use personal protective equipment: Chemical protection suit including self-contained breathing apparatus. Avoid contact with skin and eyes.

### 6.2 Methods for cleaning up/taking up

Leakage of contaminated areas to evacuate personnel to safety, as far as possible to cut off sources of pollution, prevent access to sewers. The proposed emergency personnel wearing a dust mask (full cover), wearing work clothes. Small amount of divulgence: Clean off. Collecte in a dry, clean, covered container and transferred to safe place; Massive divulgence: Recycle or transport to waste treatment place for handling.

## Section 7 - Handling and Storage

**7.1 Handling:** Supply with sufficient partial air exhaust. The operating staff must have received special training and abide by the operating regulations. It is advised that the staff wear appropriate personal protective equipment. Keep away from the fire source, heat source, no smoking in the work place. Take care when lifting and handling in case of damaging the package. Equip with relevant types and quantities of extinguishment instruments and device for divulgence handling.

**7.2 Storage:** Keep in sealed container, place in a cool dry place. The storage place should be equipped with devices for divulgence handling and suitable shelter materials.

## Section 8 - Exposure Controls, Personal Protection

### 8.1 Exposure controls

#### Occupational exposure limit:

**MAC(mg/m3):**No information

**TWA(mg/m3):**No information

**STEL(mg/m3):**No information

**Engineering control:**The production process space is closed, need to strengthen the ventilation. Make sure that there is a wash and shower in the vicinity of the workplace. Set emergency evacuation routes.

**Respiratory Protection:** No protection in normal situation. High concentration contact can wear on the filter type gas mask.

**Eyes Protection:** No protection in normal situation. Wear protective glasses if necessary.

**Body Protection:** Wear work clothes.

**Hands Protection:** Wear protective gloves.

**Other Protections:** No smoking, dining and drinking water in the workplace. Keep good habit of hygiene.

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### Section 9 - Physical and Chemical Properties

#### 9.1 General information

**Appearance:** Liquid-Ivory

**Odour:** Slight odor

#### 9.2 Important health, safety and environmental information

Acidity/pH	Not applicable
Boiling point/boiling range	100°C
Melting point/range	Not applicable
Flash point	Not applicable
Flammability (solid, gas)	Not determined
Explosive properties	Not determined
Oxidising properties	Not determined
Vapour pressure	23 hPa (20°C)
Relative density	1.2g/cm <sup>3</sup> (20°C)
Solubility	Not determined
Water solubility	Soluble in water
Partition coefficient: n-octanol/water	Not applicable
Viscosity	Not applicable
Vapour density	Not applicable
Evaporation rate	Not applicable

**9.3 Other information:** No further relevant information available.

### Section 10 - Stability and Reactivity

#### 10.1 Conditions to avoid

Flame.

#### 10.2 Materials to avoid

Strong oxidizing agent, strong acid.

#### 10.3 Hazardous decomposition products

In normal condition of storage and use, hazardous decomposition products should not be produced.

#### 10.4 Stability

Stable under normal temperature and pressure.

#### 10.5 Hazardous Polymerization

No further relevant information available.

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### Section 11 - Toxicological Information

**Acute oral toxicity:**No known significant effects or serious harm.

**Acute dermal toxicity:**No known significant effects or serious harm.

**Acute inhalational toxicity:**No known significant effects or serious harm.

**Irritant effect on skin:**May cause irritant.

**Irritant effect on eye:**Irritating effect.

**Sensitization:**No known significant effects or serious harm.

**Carcinogenicity:**No known significant effects or serious harm.

**Mutagenicity:**No known significant effects or serious harm.

**Reproduction toxicity:**No known significant effects or serious harm.

**Accumulative toxic effect:**No known significant effects or serious harm.

### Section 12 - Ecological Information

#### 12.1 Ecotoxicity

The substance has influence to the aquatic organisms.

#### 12.2 Mobility

No further relevant information available.

#### 12.3 Persistence and degradability

No further relevant information available.

#### 12.4 Bioaccumulative potential

No further relevant information available.

#### 12.5 Results of PBT assessment

No further relevant information available.

#### 12.6 Environmental impact:

The substance has influence to the aquatic organisms.

### Section 13 - Disposal Considerations

**13.1 Disposal method:** Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

**13.2 Disposal considerations:** Choose to have certified disposal contractor.

# Safety Data Sheet (SDS)

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## Section 14 - Transport Information

**UN number:**None

**Risk classification:**Non-dangerous goods

**Land Transport ADR/RID:**Not regulated for transport or dangerous goods.

**Maritime Transport IMDG:**Not regulated for transport or dangerous goods.

**Air Transport IATA/ICAO:**Not regulated for transport or dangerous goods.

**Packaging Information:** Packing according to customer requirements.

**Transport Fashion:**By sea、 By air、 By rail、 By highway

**Transport Attentions:** No collapse or no damage during the course of transportation. Corresponding varieties and number of fire equipment and contingency processing equipment should be equipped during the course of transportation. Strictly prohibit put the goods together with oxidizer, acid, etc. for transport. During transport, the goods should prevent exposure, rain and high temperature. Keep away from fire.

## Section 15 - Regulatory Information

**Regulatory Information:**

**OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).**

ISO 11014-2009 Safety data sheet for chemical products - Content and order of sections.

Regulation (EC) No. 1272/2013 Classification, Labeling and Packaging of Substances and Mixtures.

《Dangerous Goods Regulation》

《International Maritime Dangerous Goods》

《Classification and code of dangerous goods》

## Section 16 - Additional Information

This safety data sheet was prepared in accordance with UN GHS Rev.7, OSHA HazCom 2012 Standard.

### 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 SDS\*\*\*

# Safety Data Sheet (SDS)

NO.: A001R191206002001

Date: Dec 6, 2019

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**Applicant:** NINGBO CHIHAN INTERNATIONAL CO.,LTD

**Address:** Block B, No.42 Yaohang Street, Ningbo, China

**Sample information:**

**Sample name:** Furniture & Floor Repair Marker Ink-Melamine white

**Issue date:** Dec 6, 2019

**Test Requested:**

As specified by the client, to edit Safety Data Sheet (SDS) according to OSHA HazCom 2012 Standard.

Dongguan City Tianrun Testing Technology Co.,Ltd.

Approved by: 



# Safety Data Sheet (SDS)

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## Safety Data Sheet (SDS)

### Section 1 - Chemical Product and Company Identification

#### 1.1 Identification of the chemical (substance or preparation)

Furniture & Floor Repair Marker Ink-Melamine white

#### 1.2 Company identification

**Company name:** Ningbo Chihan International Co., Ltd

**Address:** Block B, No.42 Yaohang Street, Ningbo, China

**Telephone number:** 0574-87641411

**E-Mail (person responsible for SDS):** kevin760@chihan.com.cn

### Section 2 - Hazards Identification

**2.1 GHS Hazard Categories:** Skin corrosion / irritation: category 2; Eye damage/irritation: category 2;

Harm to aquatic environment: Long term harm: category 3.

#### 2.2 Pictograms:



**Signal word:** Danger

#### 2.3 Hazard statement(s):

H412: Is toxic to aquatic organisms and has a long-term lasting effect.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

#### 2.4 Precautionary statement(s):

##### •Prevention:

P260: Do not breathe dust/fume/gas/mist/vapors/spray P264: Wash skin and clothing thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

##### •Response:

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

##### •Storage:

P235 Keep cool.

##### •Disposal:

P501 Dispose of contents and container in accordance with national regulations.



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### Section 3 - Composition/Information on Ingredient

#### 3.1 General Chemical Description

Admixture

#### 3.2 Base Substances of Preparation

Composition:

Chemical Name	In % By Weight	CAS No.	Classification and hazard labeling
Water	60%	7732-18-5	Not classified
Water-soluble acrylic resin	30%	25767-39-9	⚠ Skin Irrit, H315; ⚠ Eye Irrit, H319 ⚠ Acute tox, H412
Titanium dioxide	10%	13463-67-7	Not classified

### Section 4 - First Aid Measures

#### 4.1 General information

Exposure Route	Specific First Aid Measures
Inhalation	Remove casualty to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist or breathing gets difficult, consult a physician immediately.
Skin	Remove contaminated clothes and rinse the skin with plenty of water and soap, clean the soiled clothes before wearing.
Eye contact	Lifting the upper and lower eyelids, flush the eyes with plenty of water or saline water.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Contact a doctor immediately.

#### 4.2 Advice to doctor

Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

#### 5.1 Suitable fire-fighting equipment

	Suitable	Unsuitable
Fire fighting equipment	Mist water, dry powder, foam, carbon dioxide	-
Protection gear	Protective mask	-

#### 5.2 Dangerous decomposition products:

The product can not burn.

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### 5.3 Additional information for firefighters

Evacuate personnel to safe areas. As in any fire, Wear self-contained breathing apparatus and full protective gear for firefighting. Stand upwind.

## Section 6 - Accidental Release Measures

### 6.1 Personal precautions

Collect leaks. Evacuate area. Ventilate area. Use personal protective equipment: Chemical protection suit including self-contained breathing apparatus. Avoid contact with skin and eyes.

### 6.2 Methods for cleaning up/taking up

Leakage of contaminated areas to evacuate personnel to safety, as far as possible to cut off sources of pollution, prevent access to sewers. The proposed emergency personnel wearing a dust mask (full cover), wearing work clothes. Small amount of divulgence: Clean off. Collecte in a dry, clean, covered container and transferred to safe place; Massive divulgence: Recycle or transport to waste treatment place for handling.

## Section 7 - Handling and Storage

**7.1 Handling:** Supply with sufficient partial air exhaust. The operating staff must have received special training and abide by the operating regulations. It is advised that the staff wear appropriate personal protective equipment. Keep away from the fire source, heat source, no smoking in the work place. Take care when lifting and handling in case of damaging the package. Equip with relevant types and quantities of extinguishment instruments and device for divulgence handling.

**7.2 Storage:** Keep in sealed container, place in a cool dry place. The storage place should be equipped with devices for divulgence handling and suitable shelter materials.

## Section 8 - Exposure Controls, Personal Protection

### 8.1 Exposure controls

#### Occupational exposure limit:

**MAC(mg/m3):**No information

**TWA(mg/m3):**No information

**STEL(mg/m3):**No information

**Engineering control:**The production process space is closed, need to strengthen the ventilation. Make sure that there is a wash and shower in the vicinity of the workplace. Set emergency evacuation routes.

**Respiratory Protection:** No protection in normal situation. High concentration contact can wear on the filter type gas mask.

**Eyes Protection:** No protection in normal situation. Wear protective glasses if necessary.

**Body Protection:** Wear work clothes.

**Hands Protection:** Wear protective gloves.

**Other Protections:** No smoking, dining and drinking water in the workplace. Keep good habit of hygiene.

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### Section 9 - Physical and Chemical Properties

#### 9.1 General information

**Appearance:** Liquid-Melamine white

**Odour:** Slight odor

#### 9.2 Important health, safety and environmental information

Acidity/pH	Not applicable
Boiling point/boiling range	100°C
Melting point/range	Not applicable
Flash point	Not applicable
Flammability (solid, gas)	Not determined
Explosive properties	Not determined
Oxidising properties	Not determined
Vapour pressure	23 hPa (20°C)
Relative density	1.2g/cm <sup>3</sup> (20°C)
Solubility	Not determined
Water solubility	Soluble in water
Partition coefficient: n-octanol/water	Not applicable
Viscosity	Not applicable
Vapour density	Not applicable
Evaporation rate	Not applicable

**9.3 Other information:** No further relevant information available.

### Section 10 - Stability and Reactivity

#### 10.1 Conditions to avoid

Flame.

#### 10.2 Materials to avoid

Strong oxidizing agent, strong acid.

#### 10.3 Hazardous decomposition products

In normal condition of storage and use, hazardous decomposition products should not be produced.

#### 10.4 Stability

Stable under normal temperature and pressure.

#### 10.5 Hazardous Polymerization

No further relevant information available.

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### Section 11 - Toxicological Information

**Acute oral toxicity:**No known significant effects or serious harm.

**Acute dermal toxicity:**No known significant effects or serious harm.

**Acute inhalational toxicity:**No known significant effects or serious harm.

**Irritant effect on skin:**May cause irritant.

**Irritant effect on eye:**Irritating effect.

**Sensitization:**No known significant effects or serious harm.

**Carcinogenicity:**No known significant effects or serious harm.

**Mutagenicity:**No known significant effects or serious harm.

**Reproduction toxicity:**No known significant effects or serious harm.

**Accumulative toxic effect:**No known significant effects or serious harm.

### Section 12 - Ecological Information

#### 12.1 Ecotoxicity

The substance has influence to the aquatic organisms.

#### 12.2 Mobility

No further relevant information available.

#### 12.3 Persistence and degradability

No further relevant information available.

#### 12.4 Bioaccumulative potential

No further relevant information available.

#### 12.5 Results of PBT assessment

No further relevant information available.

#### 12.6 Environmental impact:

The substance has influence to the aquatic organisms.

### Section 13 - Disposal Considerations

**13.1 Disposal method:** Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

**13.2 Disposal considerations:** Choose to have certified disposal contractor.

# Safety Data Sheet

## (SDS)

NO.: A001R191206002001

Date: Dec 6, 2019

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### Section 14 - Transport Information

**UN number:**None

**Risk classification:**Non-dangerous goods

**Land Transport ADR/RID:**Not regulated for transport or dangerous goods.

**Maritime Transport IMDG:**Not regulated for transport or dangerous goods.

**Air Transport IATA/ICAO:**Not regulated for transport or dangerous goods.

**Packaging Information:** Packing according to customer requirements.

**Transport Fashion:**By sea、 By air、 By rail、 By highway

**Transport Attentions:** No collapse or no damage during the course of transportation. Corresponding varieties and number of fire equipment and contingency processing equipment should be equipped during the course of transportation. Strictly prohibit put the goods together with oxidizer, acid, etc. for transport. During transport, the goods should prevent exposure, rain and high temperature. Keep away from fire.

### Section 15 - Regulatory Information

**Regulatory Information:**

**OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).**

ISO 11014-2009 Safety data sheet for chemical products - Content and order of sections.

Regulation (EC) No. 1272/2013 Classification, Labeling and Packaging of Substances and Mixtures.

《Dangerous Goods Regulation》

《International Maritime Dangerous Goods》

《Classification and code of dangerous goods》

### Section 16 - Additional Information

This safety data sheet was prepared in accordance with UN GHS Rev.7, OSHA HazCom 2012 Standard.

#### DISCLAIMER OF LIABILITY

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\*\*\*End of SDS\*\*\*

# Safety Data Sheet (SDS)

NO.: A001R191206004001

Date: Dec 6, 2019

Page 1 of 7

**Applicant:** NINGBO CHIHAN INTERNATIONAL CO.,LTD

**Address:** Block B,No.42 Yaohang Street, Ningbo, China

**Sample information:**

**Sample name:**Furniture & Floor Repair Marker Ink-Light gray

**Issue date:** Dec 6, 2019

**Test Requested:**

As specified by the client, to edit Safety Data Sheet (SDS) according to OSHA HazCom 2012 Standard.

Dongguan City Tianrun Testing Technology Co.,Ltd.

Approved by: 



# Safety Data Sheet (SDS)

NO.: A001R191206004001

Date: Dec 6, 2019

Page 2 of 7

## Safety Data Sheet (SDS)

### Section 1 - Chemical Product and Company Identification

#### 1.1 Identification of the chemical (substance or preparation)

Furniture & Floor Repair Marker Ink-Light gray

#### 1.2 Company identification

**Company name:** Ningbo Chihan International Co., Ltd

**Address:** Block B, No.42 Yaohang Street, Ningbo, China

**Telephone number:** 0574-87641411

**E-Mail (person responsible for SDS):** kevin760@chihan.com.cn

### Section 2 - Hazards Identification

**2.1 GHS Hazard Categories:** Flammable liquid: Category 3; Specific target organ toxicity: Anesthetic effect Category 3

#### 2.2 Pictograms:



**Signal word:** Warning

#### 2.3 Hazard statement(s):

H226: Flammable liquid and vapour.

H336: May cause drowsiness or dizziness.

#### 2.4 Precautionary statement(s):

##### •Prevention:

P260: Do not breathe dust/fume/gas/mist/vapors/spray

P264: Wash skin and clothing thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

##### •Response:

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

##### •Storage:

P235 Keep cool.

##### •Disposal:

P501 Dispose of contents and container in accordance with national regulations.

# Safety Data Sheet

## (SDS)

NO.: A001R191206004001

Date: Dec 6, 2019

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### Section 3 - Composition/Information on Ingredient

#### 3.1 General Chemical Description

##### Admixture

#### 3.2 Base Substances of Preparation

##### Composition:

Chemical Name	In % By Weight	CAS No.	Classification and hazard labeling
Ethanol	51.3%	64-17-5	Flammable,H225
1-Methoxy-2-propanol	32%	107-98-2	Flammable,H226; Lethargy, H336
Ketone aldehyde resin	15%	25054-06-2	Not classified
Red 92	0.2%	18472-87-2	Not classified
Solvent Red 8	1%	33270-70-1	Not classified
Solvent Black 5	0.5%	11099-03-9	Not classified

### Section 4 - First Aid Measures

#### 4.1 General information

Exposure Route	Specific First Aid Measures
Inhalation	Remove casualty to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist or breathing gets difficult, consult a physician immediately.
Skin	Remove contaminated clothes and rinse the skin with plenty of water and soap, clean the soiled clothes before wearing.
Eye contact	Lifting the upper and lower eyelids, flush the eyes with plenty of water or saline water.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Contact a doctor immediately.

#### 4.2 Advice to doctor

Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

#### 5.1 Suitable fire-fighting equipment

	Suitable	Unsuitable
Fire fighting equipment	Mist water, dry powder, foam,carbon dioxide	-
Protection gear	Protective mask	-

#### 5.2 Dangerous decomposition products:

The product can burn.



# Safety Data Sheet

## (SDS)

NO.: A001R191206004001

Date: Dec 6, 2019

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### 5.3 Additional information for firefighters

Evacuate personnel to safe areas. As in any fire, Wear self-contained breathing apparatus and full protective gear for firefighting. Stand upwind.

## Section 6 - Accidental Release Measures

### 6.1 Personal precautions

Collect leaks. Evacuate area. Ventilate area. Use personal protective equipment: Chemical protection suit including self-contained breathing apparatus. Avoid contact with skin and eyes.

### 6.2 Methods for cleaning up/taking up

Leakage of contaminated areas to evacuate personnel to safety, as far as possible to cut off sources of pollution, prevent access to sewers. The proposed emergency personnel wearing a dust mask (full cover), wearing work clothes. Small amount of divulgence: Clean off. Collecte in a dry, clean, covered container and transferred to safe place; Massive divulgence: Recycle or transport to waste treatment place for handling.

## Section 7 - Handling and Storage

**7.1 Handling:** Supply with sufficient partial air exhaust. The operating staff must have received special training and abide by the operating regulations. It is advised that the staff wear appropriate personal protective equipment. Keep away from the fire source, heat source, no smoking in the work place. Take care when lifting and handling in case of damaging the package. Equip with relevant types and quantities of extinguishment instruments and device for divulgence handling.

**7.2 Storage:** Keep in sealed container, place in a cool dry place. The storage place should be equipped with devices for divulgence handling and suitable shelter materials.

## Section 8 - Exposure Controls, Personal Protection

### 8.1 Exposure controls

#### Occupational exposure limit:

**MAC(mg/m3):** No information

**TWA(mg/m3):** No information

**STEL(mg/m3):** No information

**Engineering control:** The production process space is closed, need to strengthen the ventilation. Make sure that there is a wash and shower in the vicinity of the workplace. Set emergency evacuation routes.

**Respiratory Protection:** No protection in normal situation. High concentration contact can wear on the filter type gas mask.

**Eyes Protection:** No protection in normal situation. Wear protective glasses if necessary.

**Body Protection:** Wear work clothes.

**Hands Protection:** Wear protective gloves.

**Other Protections:** No smoking, dining and drinking water in the workplace. Keep good habit of hygiene.

# Safety Data Sheet

## (SDS)

NO.: A001R191206004001

Date: Dec 6, 2019

Page 5 of 7

### Section 9 - Physical and Chemical Properties

#### 9.1 General information

**Appearance:** Liquid-Light gray

**Odour:** Slight alcohol odor

#### 9.2 Important health, safety and environmental information

Acidity/pH	Not applicable
Boiling point/boiling range	96°C
Melting point/range	Not applicable
Flash point	53°C
Flammability (solid, gas)	Not determined
Explosive properties	Not determined
Oxidising properties	Not determined
Vapour pressure	19 hPa (20°C)
Relative density	0.86g/cm <sup>3</sup> (20°C)
Solubility	Not determined
Water solubility	Insoluble in water
Partition coefficient: n-octanol/water	Not applicable
Viscosity	Not applicable
Vapour density	Not applicable
Evaporation rate	Not applicable

**9.3 Other information:** No further relevant information available.

### Section 10 - Stability and Reactivity

#### 10.1 Conditions to avoid

Flame.

#### 10.2 Materials to avoid

Strong oxidizing agent, strong acid.

#### 10.3 Hazardous decomposition products

In normal condition of storage and use, hazardous decomposition products should not be produced.

#### 10.4 Stability

Stable under normal temperature and pressure.

#### 10.5 Hazardous Polymerization

No further relevant information available.

# Safety Data Sheet

## (SDS)

NO.: A001R191206004001

Date: Dec 6, 2019

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### Section 11 - Toxicological Information

**Acute oral toxicity:**Ethanol:LD 50 (oral) 7060mg/kg(Rat) ;LC 50 (inhalation,4h)39mg/L(Mouse);

**1-Methoxy-2-propanol:**LD 50 (oral) 5300mg/kg(Rat).

**Acute dermal toxicity:**No known significant effects or serious harm.

**Acute inhalational toxicity:**No known significant effects or serious harm.

**Irritant effect on skin:**No known significant effects or serious harm.

**Irritant effect on eye:**No known significant effects or serious harm.

**Sensitization:**No known significant effects or serious harm.

**Carcinogenicity:**No known significant effects or serious harm.

**Mutagenicity:**No known significant effects or serious harm.

**Reproduction toxicity:**No known significant effects or serious harm.

**Accumulative toxic effect:**No known significant effects or serious harm.

### Section 12 - Ecological Information

#### 12.1 Ecotoxicity

The substance has influence to the aquatic organisms.

#### 12.2 Mobility

No further relevant information available.

#### 12.3 Persistence and degradability

No further relevant information available.

#### 12.4 Bioaccumulative potential

No further relevant information available.

#### 12.5 Results of PBT assessment

No further relevant information available.

#### 12.6 Environmental impact:

The substance has influence to the aquatic organisms.

### Section 13 - Disposal Considerations

**13.1 Disposal method:** Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

**13.2 Disposal considerations:** Choose to have certified disposal contractor.

# Safety Data Sheet

## (SDS)

NO.: A001R191206004001

Date: Dec 6, 2019

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### Section 14 - Transport Information

**UN number:**UN1987

**Risk classification:**Class 3 Flammable liquid

**Land Transport ADR/RID:**Class 3 dangerous goods handling.

**Maritime Transport IMO IMDG:**Class 3 dangerous goods handling.

**Air Transport IATA/ICAO:**Class 3 dangerous goods handling.

**Packaging Information:** III

**Transport Fashion:**By sea、 By air、 By rail、 By highway

**Transport Attentions:** No collapse or no damage during the course of transportation. Corresponding varieties and number of fire equipment and contingency processing equipment should be equipped during the course of transportation. Strictly prohibit put the goods together with oxidizer, acid, etc. for transport. During transport, the goods should prevent exposure, rain and high temperature. Keep away from fire.

### Section 15 - Regulatory Information

**Regulatory Information:**

**OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).**

ISO 11014-2009 Safety data sheet for chemical products - Content and order of sections.

Regulation (EC) No. 1272/2013 Classification, Labeling and Packaging of Substances and Mixtures.

《Dangerous Goods Regulation》

《International Maritime Dangerous Goods》

《Classification and code of dangerous goods》

### Section 16 - Additional Information

This safety data sheet was prepared in accordance with UN GHS Rev.7, OSHA HazCom 2012 Standard.

#### DISCLAIMER OF LIABILITY

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\*\*\*End of SDS\*\*\*

# Safety Data Sheet

## (SDS)

NO.: A001R191206005001

Date: Dec 6, 2019

Page 1 of 7

**Applicant:** NINGBO CHIHAN INTERNATIONAL CO.,LTD

**Address:** Block B, No.42 Yaohang Street, Ningbo, China

**Sample information:**

**Sample name:** Furniture & Floor Repair Marker Ink-Medium gray

**Issue date:** Dec 6, 2019

**Test Requested:**

As specified by the client, to edit Safety Data Sheet (SDS) according to OSHA HazCom 2012 Standard.

Dongguan City Tianrun Testing Technology Co.,Ltd.



# Safety Data Sheet (SDS)

NO.: A001R191206005001

Date: Dec 6, 2019

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## Safety Data Sheet (SDS)

### Section 1 - Chemical Product and Company Identification

#### 1.1 Identification of the chemical (substance or preparation)

Furniture & Floor Repair Marker Ink-Medium gray

#### 1.2 Company identification

**Company name:** Ningbo Chihan International Co., Ltd

**Address:** Block B, No.42 Yaohang Street, Ningbo, China

**Telephone number:** 0574-87641411

**E-Mail (person responsible for SDS):** kevin760@chihan.com.cn

### Section 2 - Hazards Identification

**2.1 GHS Hazard Categories:** Flammable liquid: Category 3; Specific target organ toxicity: Anesthetic effect Category 3

#### 2.2 Pictograms:



**Signal word:** Warning

#### 2.3 Hazard statement(s):

H226: Flammable liquid and vapour.

H336: May cause drowsiness or dizziness.

#### 2.4 Precautionary statement(s):

##### •Prevention:

P260: Do not breathe dust/fume/gas/mist/vapors/spray

P264: Wash skin and clothing thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

##### •Response:

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

##### •Storage:

P235 Keep cool.

##### •Disposal:

P501 Dispose of contents and container in accordance with national regulations.

# Safety Data Sheet

## (SDS)

NO.: A001R191206005001

Date: Dec 6, 2019

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### Section 3 - Composition/Information on Ingredient

#### 3.1 General Chemical Description

##### Admixture

#### 3.2 Base Substances of Preparation

##### Composition:

Chemical Name	In % By Weight	CAS No.	Classification and hazard labeling
Ethanol	48%	64-17-5	Flammable,H225
1-Methoxy-2-propanol	32%	107-98-2	Flammable,H226; Lethargy, H336
Ketone aldehyde resin	15%	25054-06-2	Not classified
Red 92	0.5%	18472-87-2	Not classified
Solvent Red 8	3%	33270-70-1	Not classified
Solvent Black 5	1.5%	11099-03-9	Not classified

### Section 4 - First Aid Measures

#### 4.1 General information

Exposure Route	Specific First Aid Measures
Inhalation	Remove casualty to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist or breathing gets difficult, consult a physician immediately.
Skin	Remove contaminated clothes and rinse the skin with plenty of water and soap, clean the soiled clothes before wearing.
Eye contact	Lifting the upper and lower eyelids, flush the eyes with plenty of water or saline water.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Contact a doctor immediately.

#### 4.2 Advice to doctor

Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

#### 5.1 Suitable fire-fighting equipment

	Suitable	Unsuitable
Fire fighting equipment	Mist water, dry powder, foam,carbon dioxide	-
Protection gear	Protective mask	-

#### 5.2 Dangerous decomposition products:

The product can burn.

# Safety Data Sheet

## (SDS)

NO.: A001R191206005001

Date: Dec 6, 2019

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### 5.3 Additional information for firefighters

Evacuate personnel to safe areas. As in any fire, Wear self-contained breathing apparatus and full protective gear for firefighting. Stand upwind.

## Section 6 - Accidental Release Measures

### 6.1 Personal precautions

Collect leaks. Evacuate area. Ventilate area. Use personal protective equipment: Chemical protection suit including self-contained breathing apparatus. Avoid contact with skin and eyes.

### 6.2 Methods for cleaning up/taking up

Leakage of contaminated areas to evacuate personnel to safety, as far as possible to cut off sources of pollution, prevent access to sewers. The proposed emergency personnel wearing a dust mask (full cover), wearing work clothes. Small amount of divulgence: Clean off. Collecte in a dry, clean, covered container and transferred to safe place; Massive divulgence: Recycle or transport to waste treatment place for handling.

## Section 7 - Handling and Storage

**7.1 Handling:** Supply with sufficient partial air exhaust. The operating staff must have received special training and abide by the operating regulations. It is advised that the staff wear appropriate personal protective equipment. Keep away from the fire source, heat source, no smoking in the work place. Take care when lifting and handling in case of damaging the package. Equip with relevant types and quantities of extinguishment instruments and device for divulgence handling.

**7.2 Storage:** Keep in sealed container, place in a cool dry place. The storage place should be equipped with devices for divulgence handling and suitable shelter materials.

## Section 8 - Exposure Controls, Personal Protection

### 8.1 Exposure controls

#### Occupational exposure limit:

**MAC(mg/m3):** No information

**TWA(mg/m3):** No information

**STEL(mg/m3):** No information

**Engineering control:** The production process space is closed, need to strengthen the ventilation. Make sure that there is a wash and shower in the vicinity of the workplace. Set emergency evacuation routes.

**Respiratory Protection:** No protection in normal situation. High concentration contact can wear on the filter type gas mask.

**Eyes Protection:** No protection in normal situation. Wear protective glasses if necessary.

**Body Protection:** Wear work clothes.

**Hands Protection:** Wear protective gloves.

**Other Protections:** No smoking, dining and drinking water in the workplace. Keep good habit of hygiene.



# Safety Data Sheet

## (SDS)

NO.: A001R191206005001

Date: Dec 6, 2019

Page 5 of 7

### Section 9 - Physical and Chemical Properties

#### 9.1 General information

**Appearance:** Liquid-Medium gray

**Odour:** Slight alcohol odor

#### 9.2 Important health, safety and environmental information

Acidity/pH	Not applicable
Boiling point/boiling range	96°C
Melting point/range	Not applicable
Flash point	53°C
Flammability (solid, gas)	Not determined
Explosive properties	Not determined
Oxidising properties	Not determined
Vapour pressure	19 hPa (20°C)
Relative density	0.86g/cm <sup>3</sup> (20°C)
Solubility	Not determined
Water solubility	Insoluble in water
Partition coefficient: n-octanol/water	Not applicable
Viscosity	Not applicable
Vapour density	Not applicable
Evaporation rate	Not applicable

**9.3 Other information:** No further relevant information available.

### Section 10 - Stability and Reactivity

#### 10.1 Conditions to avoid

Flame.

#### 10.2 Materials to avoid

Strong oxidizing agent, strong acid.

#### 10.3 Hazardous decomposition products

In normal condition of storage and use, hazardous decomposition products should not be produced.

#### 10.4 Stability

Stable under normal temperature and pressure.

#### 10.5 Hazardous Polymerization

No further relevant information available.

# Safety Data Sheet

## (SDS)

NO.: A001R191206005001

Date: Dec 6, 2019

Page 6 of 7

### Section 11 - Toxicological Information

**Acute oral toxicity:**Ethanol:LD 50 (oral) 7060mg/kg(Rat) ;LC 50 (inhalation,4h)39mg/L(Mouse);

**1-Methoxy-2-propanol:**LD 50 (oral) 5300mg/kg(Rat).

**Acute dermal toxicity:**No known significant effects or serious harm.

**Acute inhalational toxicity:**No known significant effects or serious harm.

**Irritant effect on skin:**No known significant effects or serious harm.

**Irritant effect on eye:**No known significant effects or serious harm.

**Sensitization:**No known significant effects or serious harm.

**Carcinogenicity:**No known significant effects or serious harm.

**Mutagenicity:**No known significant effects or serious harm.

**Reproduction toxicity:**No known significant effects or serious harm.

**Accumulative toxic effect:**No known significant effects or serious harm.

### Section 12 - Ecological Information

#### 12.1 Ecotoxicity

The substance has influence to the aquatic organisms.

#### 12.2 Mobility

No further relevant information available.

#### 12.3 Persistence and degradability

No further relevant information available.

#### 12.4 Bioaccumulative potential

No further relevant information available.

#### 12.5 Results of PBT assessment

No further relevant information available.

#### 12.6 Environmental impact:

The substance has influence to the aquatic organisms.

### Section 13 - Disposal Considerations

**13.1 Disposal method:** Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

**13.2 Disposal considerations:** Choose to have certified disposal contractor.

# Safety Data Sheet

## (SDS)

NO.: A001R191206005001

Date: Dec 6, 2019

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### Section 14 - Transport Information

**UN number:**UN1987

**Risk classification:**Class 3 Flammable liquid

**Land Transport ADR/RID:**Class 3 dangerous goods handling.

**Maritime Transport IMO IMDG:**Class 3 dangerous goods handling.

**Air Transport IATA/ICAO:**Class 3 dangerous goods handling.

**Packaging Information:** III

**Transport Fashion:**By sea、 By air、 By rail、 By highway

**Transport Attentions:** No collapse or no damage during the course of transportation. Corresponding varieties and number of fire equipment and contingency processing equipment should be equipped during the course of transportation. Strictly prohibit put the goods together with oxidizer, acid, etc. for transport. During transport, the goods should prevent exposure, rain and high temperature. Keep away from fire.

### Section 15 - Regulatory Information

**Regulatory Information:**

**OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).**

ISO 11014-2009 Safety data sheet for chemical products - Content and order of sections.

Regulation (EC) No. 1272/2013 Classification, Labeling and Packaging of Substances and Mixtures.

《Dangerous Goods Regulation》

《International Maritime Dangerous Goods》

《Classification and code of dangerous goods》

### Section 16 - Additional Information

This safety data sheet was prepared in accordance with UN GHS Rev.7, OSHA HazCom 2012 Standard.

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\*\*\*End of SDS\*\*\*

# Safety Data Sheet (SDS)

NO.: A001R191206001001

Date: Dec 6, 2019

Page 1 of 7

**Applicant:** NINGBO CHIHAN INTERNATIONAL CO.,LTD

**Address:** Block B, No.42 Yaohang Street, Ningbo, China

**Sample information:**

**Sample name:** Furniture & Floor Repair Marker Ink-Bright white

**Issue date:** Dec 6, 2019

**Test Requested:**

As specified by the client, to edit Safety Data Sheet (SDS) according to OSHA HazCom 2012 Standard.

Dongguan City Tianrun Testing Technology Co.,Ltd.

Approved by: 



# Safety Data Sheet (SDS)

NO.: A001R191206001001

Date: Dec 6, 2019

Page 2 of 7

## Safety Data Sheet (SDS)

### Section 1 - Chemical Product and Company Identification

#### 1.1 Identification of the chemical (substance or preparation)

Furniture & Floor Repair Marker Ink-Bright white

#### 1.2 Company identification

**Company name:** Ningbo Chihan International Co., Ltd

**Address:** Block B, No.42 Yaohang Street, Ningbo, China

**Telephone number:** 0574-87641411

**E-Mail (person responsible for SDS):** kevin760@chihan.com.cn

### Section 2 - Hazards Identification

**2.1 GHS Hazard Categories:** Skin corrosion / irritation: category 2; Eye damage/irritation: category 2;

Harm to aquatic environment: Long term harm: category 3.

#### 2.2 Pictograms:



**Signal word:** Warning

#### 2.3 Hazard statement(s):

H412: Is toxic to aquatic organisms and has a long-term lasting effect.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

#### 2.4 Precautionary statement(s):

##### •Prevention:

P260: Do not breathe dust/fume/gas/mist/vapors/spray P264: Wash skin and clothing thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

##### •Response:

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

##### •Storage:

P235 Keep cool.

##### •Disposal:

P501 Dispose of contents and container in accordance with national regulations.

# Safety Data Sheet

## (SDS)

NO.: A001R191206001001

Date: Dec 6, 2019

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### Section 3 - Composition/Information on Ingredient

#### 3.1 General Chemical Description

Admixture

#### 3.2 Base Substances of Preparation

Composition:

Chemical Name	In % By Weight	CAS No.	Classification and hazard labeling
Water	45%	7732-18-5	Not classified
Water-soluble acrylic resin	30%	25767-39-9	⚠ Skin Irrit, H315; ⚠ Eye Irrit, H319 ⚠ Acute tox, H412
Titanium dioxide	25%	13463-67-7	Not classified

### Section 4 - First Aid Measures

#### 4.1 General information

Exposure Route	Specific First Aid Measures
Inhalation	Remove casualty to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist or breathing gets difficult, consult a physician immediately.
Skin	Remove contaminated clothes and rinse the skin with plenty of water and soap, clean the soiled clothes before wearing.
Eye contact	Lifting the upper and lower eyelids, flush the eyes with plenty of water or saline water.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Contact a doctor immediately.

#### 4.2 Advice to doctor

Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

#### 5.1 Suitable fire-fighting equipment

	Suitable	Unsuitable
Fire fighting equipment	Mist water, dry powder, foam, carbon dioxide	-
Protection gear	Protective mask	-

#### 5.2 Dangerous decomposition products:

The product can not burn.

# Safety Data Sheet

## (SDS)

NO.: A001R191206001001

Date: Dec 6, 2019

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### 5.3 Additional information for firefighters

Evacuate personnel to safe areas. As in any fire, Wear self-contained breathing apparatus and full protective gear for firefighting. Stand upwind.

## Section 6 - Accidental Release Measures

### 6.1 Personal precautions

Collect leaks. Evacuate area. Ventilate area. Use personal protective equipment: Chemical protection suit including self-contained breathing apparatus. Avoid contact with skin and eyes.

### 6.2 Methods for cleaning up/taking up

Leakage of contaminated areas to evacuate personnel to safety, as far as possible to cut off sources of pollution, prevent access to sewers. The proposed emergency personnel wearing a dust mask (full cover), wearing work clothes. Small amount of divulgence: Clean off. Collecte in a dry, clean, covered container and transferred to safe place; Massive divulgence: Recycle or transport to waste treatment place for handling.

## Section 7 - Handling and Storage

**7.1 Handling:** Supply with sufficient partial air exhaust. The operating staff must have received special training and abide by the operating regulations. It is advised that the staff wear appropriate personal protective equipment. Keep away from the fire source, heat source, no smoking in the work place. Take care when lifting and handling in case of damaging the package. Equip with relevant types and quantities of extinguishment instruments and device for divulgence handling.

**7.2 Storage:** Keep in sealed container, place in a cool dry place. The storage place should be equipped with devices for divulgence handling and suitable shelter materials.

## Section 8 - Exposure Controls, Personal Protection

### 8.1 Exposure controls

#### Occupational exposure limit:

**MAC(mg/m3):** No information

**TWA(mg/m3):** No information

**STEL(mg/m3):** No information

**Engineering control:** The production process space is closed, need to strengthen the ventilation. Make sure that there is a wash and shower in the vicinity of the workplace. Set emergency evacuation routes.

**Respiratory Protection:** No protection in normal situation. High concentration contact can wear on the filter type gas mask.

**Eyes Protection:** No protection in normal situation. Wear protective glasses if necessary.

**Body Protection:** Wear work clothes.

**Hands Protection:** Wear protective gloves.

**Other Protections:** No smoking, dining and drinking water in the workplace. Keep good habit of hygiene.

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### Section 9 - Physical and Chemical Properties

#### 9.1 General information

**Appearance:** Liquid-Bright white

**Odour:** Slight odor

#### 9.2 Important health, safety and environmental information

Acidity/pH	Not applicable
Boiling point/boiling range	100°C
Melting point/range	Not applicable
Flash point	Not applicable
Flammability (solid, gas)	Not determined
Explosive properties	Not determined
Oxidising properties	Not determined
Vapour pressure	23 hPa (20°C)
Relative density	1.2g/cm <sup>3</sup> (20°C)
Solubility	Not determined
Water solubility	Soluble in water
Partition coefficient: n-octanol/water	Not applicable
Viscosity	Not applicable
Vapour density	Not applicable
Evaporation rate	Not applicable

**9.3 Other information:** No further relevant information available.

### Section 10 - Stability and Reactivity

#### 10.1 Conditions to avoid

Flame.

#### 10.2 Materials to avoid

Strong oxidizing agent, strong acid.

#### 10.3 Hazardous decomposition products

In normal condition of storage and use, hazardous decomposition products should not be produced.

#### 10.4 Stability

Stable under normal temperature and pressure.

#### 10.5 Hazardous Polymerization

No further relevant information available.



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### Section 11 - Toxicological Information

**Acute oral toxicity:**No known significant effects or serious harm.

**Acute dermal toxicity:**No known significant effects or serious harm.

**Acute inhalational toxicity:**No known significant effects or serious harm.

**Irritant effect on skin:**May cause irritant.

**Irritant effect on eye:**Irritating effect.

**Sensitization:**No known significant effects or serious harm.

**Carcinogenicity:**No known significant effects or serious harm.

**Mutagenicity:**No known significant effects or serious harm.

**Reproduction toxicity:**No known significant effects or serious harm.

**Accumulative toxic effect:**No known significant effects or serious harm.

### Section 12 - Ecological Information

#### 12.1 Ecotoxicity

The substance has influence to the aquatic organisms.

#### 12.2 Mobility

No further relevant information available.

#### 12.3 Persistence and degradability

No further relevant information available.

#### 12.4 Bioaccumulative potential

No further relevant information available.

#### 12.5 Results of PBT assessment

No further relevant information available.

#### 12.6 Environmental impact:

The substance has influence to the aquatic organisms.

### Section 13 - Disposal Considerations

**13.1 Disposal method:** Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

**13.2 Disposal considerations:** Choose to have certified disposal contractor.

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### Section 14 - Transport Information

**UN number:**None

**Risk classification:**Non-dangerous goods

**Land Transport ADR/RID:**Not regulated for transport or dangerous goods.

**Maritime Transport IMDG:**Not regulated for transport or dangerous goods.

**Air Transport IATA/ICAO:**Not regulated for transport or dangerous goods.

**Packaging Information:** Packing according to customer requirements.

**Transport Fashion:**By sea、 By air、 By rail、 By highway

**Transport Attentions:** No collapse or no damage during the course of transportation. Corresponding varieties and number of fire equipment and contingency processing equipment should be equipped during the course of transportation. Strictly prohibit put the goods together with oxidizer, acid, etc. for transport. During transport, the goods should prevent exposure, rain and high temperature. Keep away from fire.

### Section 15 - Regulatory Information

**Regulatory Information:**

**OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).**

ISO 11014-2009 Safety data sheet for chemical products - Content and order of sections.

Regulation (EC) No. 1272/2013 Classification, Labeling and Packaging of Substances and Mixtures.

《Dangerous Goods Regulation》

《International Maritime Dangerous Goods》

《Classification and code of dangerous goods》

### Section 16 - Additional Information

This safety data sheet was prepared in accordance with UN GHS Rev.7, OSHA HazCom 2012 Standard.

#### DISCLAIMER OF LIABILITY

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\*\*\*End of SDS\*\*\*