

**Safety Data Sheet**  
**According to Hazard Communication Standard (29 CFR 1910.1200)**

CHARVIN Painting Sticks

Issue date: 12/29/2015

Version 1.0

Revision date: 12/29/2021

## 1. Identification

**Product name** CHARVIN Painting Sticks  
**Synonyms** -  
**CAS #** See section 3  
**Product code** -  
**Product use** -  
**Manufacturer/Supplier**  
**Supplier(Manufacturer):** SHANGHAI MARIE PAINTING MATERIALS CO.,LTD.  
**Address:** 3300 West Yan'an Road, Shanghai  
**Contact person(E-mail):** qingli\_marie@163.com  
**Telephone:** +86-64011426

**Emergency telephone Number:** +86-64011426

## 2. Hazard(s) identification

### GHS classification

**Physical hazards** Not classified  
**Health hazards** Not classified  
**Environmental hazards** Not classified

### GHS label elements

**Hazard Pictograms** No hazard pictogram is used.  
**Signal word** No signal word is used.  
**Hazard statement** Not applicable.

### Precautionary statement

**Prevention** Not applicable.  
**Response** Not applicable.  
**Storage** Not applicable.  
**Disposal** Not applicable.

## 3. Composition / information on ingredients

Components	CAS#	Percent
Kaolin	1318-74-7	20-27%
Barium sulfate	7727-43-7	25-45%
Pulvisticalci	14807-96-6	5%
White latex	9003-20-7	13%
Dispersing agent NNO	26545-58-4	0.50%
P.W.6	13463-67-7	0-21.5%
P.Y.1	2512-29-0	0-19.0%
P.O.13	3520-72-7	0-4.5%
P.Y.3	6486-23-3	0-19.0%
P.Y.43	64294-91-3	0-16.0%

P.G.7	1328-53-6	0-16.5%
P.V.23	6358-30-1	0-4.0%
P.Bk.11	12227-89-3	0-29.5%
P.B.28	1345-16-0	0-21.5%
P.B.29	57455-37-5	0-21.5%
P.B.27	12240-15-2	0-17.5%
P.Y.42	51274-00-1	0-26.5%
P.Br.6	52357-70-7	0-31.5%
P.W.5	1345-05-7	0-17.5%
P.R.101	1407-37-1	0-21.5%
P.R.112	6535-46-2	0-1.5%
P.R.81	12224-98-5	0-8.0%
P.R.122	980-26-7	0-2.5%
P.R.8	6410-30-6	0-10.0%
P.R.4	2814-77-9	0-11.5%
P.R.21	6410-26-0	0-11.5%

13-34.5 percent of the mixture consists of component (s) of unknown toxicity.

#### 4. First-aid Measures

##### First aid procedures

<b>Eye contact</b>	None expected to require first aid measures. If breathed in, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical attention.
<b>Skin contact</b>	None expected to require first aid measures. Wash thoroughly with soap and water. Get medical attention in the unlikely event that irritation persists.
<b>Inhalation</b>	None expected to require first aid measures. Flush with running water for at least 15 minutes. If irritation persists get medical attention.
<b>Ingestion</b>	Immediate first aid is not likely to be required. A physician or poison control center can be contacted for advice.

##### Notes to physician

Treat symptoms.

#### 5. Fire-fighting measures

##### Flammable properties

Not available.

##### Extinguishing media

###### Suitable extinguishing media

Use extinguishing agents appropriate for surrounding fire.

###### Unsuitable extinguishing media

Not available.

##### Firefighting equipment/instructions

Wear self contained breathing apparatus for fire fighting if necessary.

##### Hazardous combustion products

Oxides of carbon.

#### 6. Accidental release measures

##### Personal precautions

Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Avoid contact with skin and eyes. For personal protection see section 8.

**Environmental precautions**

Avoid disposing into drainage/sewer system or directly into the aquatic environment.

**Methods for cleaning up**

Sweep up and shovel into suitable containers. Clean up affected area.

**7. Handling and storage****Handling**

Avoid contact with skin and eyes. Keep away from sources of ignition - No smoking.  
Take measures to prevent the build up of electrostatic charge.

**Storage**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**8. Exposure controls / personal protection****Control parameters:****OCCUPATIONAL EXPOSURE LIMITS (OEL)****INGREDIENT DATA:**

Source	Ingredient	TWA	STEL	Peak	Notes
US OSHA Permissible Exposure Levels (PELs) - Table Z1	Kaolin	0.1 mg/m <sup>3</sup>	Not available	Not available	See Table Z-3;less than 1% crystalline silica(respirable dust) / See Table Z-3;less than 1% crystalline silica, total dust / See Table Z-3;less than 1% crystalline silica, respirable dust / less than 1% crystalline silica;see 29 CFR 1910.1001;See Table Z-3;(containing asbestos); use asbestos limit; (STEL (Excursion limit)(as averaged over a sampling period of 30 minutes)) / less than 1% crystalline silica;See Table Z-3, (containing no asbestos), respirable dust / (as quartz), respirable dust;ess than 1% crystalline silica;see 1910.1001;(STEL (Excursion limit)(as averaged over a sampling period of 30 minutes))
US OSHA Permissible Exposure Levels (PELs) - Table Z3	Kaolin	0.1 f/cc / 20 mppcf	Not available	Not available	(less than 1% crystalline silica) / (containing asbestos) Use asbestos limit;(less than 1% crystalline silica) / (see 29 CFR 1910.1001);(less than 1% crystalline silica)
US NIOSH Recommended Exposure Limits (RELs)	Kaolin	5 mg/m <sup>3</sup> / 2 mg/m <sup>3</sup>	Not available	Not available	Not available
US OSHA Permissible Exposure Levels (PELs) - Table Z1	Barium sulfate	15 mg/m <sup>3</sup> / 5 mg/m <sup>3</sup>	Not available	Not available	Total dust
US ACGIH Threshold Limit Values (TLV)	Barium sulfate	5 mg/m <sup>3</sup>	Not available	Not available	TLV® Basis: Pneumoconiosis
US NIOSH	Barium	10 (total), 5	Not available	Not available	Not available

Recommended Exposure Limits (RELs)	sulfate	(resp) mg/m3			
US OSHA Permissible Exposure Levels (PELs) - Table Z1	Pulvitalci	0.1 mg/m3	Not available	Not available	See Table Z-3;less than 1% crystalline silica(respirable dust) / See Table Z-3;less than 1% crystalline silica, total dust / See Table Z-3;less than 1% crystalline silica, respirable dust / less than 1% crystalline silica;see 29 CFR 1910.1001;See Table Z-3;(containing asbestos); use asbestos limit; (STEL (Excursion limit)(as averaged over a sampling period of 30 minutes)) / less than 1% crystalline silica;See Table Z-3, (containing no asbestos), respirable dust / (as quartz), respirable dust;ess than 1% crystalline silica;see 1910.1001;(STEL (Excursion limit)(as averaged over a sampling period of 30 minutes))
US OSHA Permissible Exposure Levels (PELs) - Table Z3	Pulvitalci	0.1 f/cc / 20 mppcf	Not available	Not available	(less than 1% crystalline silica) / (containing asbestos) Use asbestos limit;(less than 1% crystalline silica) / (see 29 CFR 1910.1001);(less than 1% crystalline silica)
US ACGIH Threshold Limit Values (TLV)	Pulvitalci	2 mg/m3	Not available	Not available	TLV® Basis: Pulm fibrosis; pulm func / TLV® Basis: Use Asbestos TLV®
US NIOSH Recommended Exposure Limits (RELs)	Pulvitalci	6 (total), 3 (resp)mg/m3 / 2 (resp) mg/m3	Not available	Not available	Not available
US OSHA Permissible Exposure Levels (PELs) - Table Z1	P.W.6	15 mg/m3	Not available	Not available	Total dust
US ACGIH Threshold Limit Values (TLV)	P.W.6	10 mg/m3	Not available	Not available	TLV® Basis: LRT irr
US OSHA Permissible Exposure Levels (PELs) - Table Z1	P.Y.1	0.005 mg/m3	Not available	Not available	See 1910.1026; See Table Z-2 for the exposure limit for any operations or sectors where the exposure limit in §1910.1026 is stayed or is otherwise not in effect.
US OSHA Permissible Exposure Levels (PELs) - Table Z1	P.G.7	0.1 mg/m3 / 1 mg/m3	Not available	Not available	(as Cu) / (as Cu);Dusts and mists
US OSHA Permissible Exposure Levels (PELs) - Table Z1	P.G.7	0.005 mg/m3	Not available	Not available	See 1910.1026;See Table Z-2 for the exposure limit for any operations or sectors where the exposure limit in §1910.1026 is

					stayed or is otherwise not in effect.
US OSHA Permissible Exposure Levels (PELs) - Table Z3	P.G.7	5 mg/m <sup>3</sup> / 15 mg/m <sup>3</sup> / 15 mppcf / 50 mppcf	Not available	Not available	Respirable fraction;All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by this limit, which is the same as the Particulates Not Otherwise Regulated (PNOR) limit in Table Z-1. / Total dust;All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by this limit, which is the same as the Particulates Not Otherwise Regulated (PNOR) limit in Table Z-1.
US NIOSH Recommended Exposure Limits (RELs)	P.B.28	5 mg/m <sup>3</sup> / 2 mg/m <sup>3</sup>	Not available	Not available	Not available
US NIOSH Recommended Exposure Limits (RELs)	P.B.29	5 mg/m <sup>3</sup> / 2 mg/m <sup>3</sup>	Not available	Not available	Not available
US OSHA Permissible Exposure Levels (PELs) - Table Z1	P.B.27	5 mg/m <sup>3</sup>	Not available	Not available	(as Cu)
US OSHA Permissible Exposure Levels (PELs) - Table Z3	P.B.27	5 mg/m <sup>3</sup> / 15 mg/m <sup>3</sup> / 15 mppcf / 50 mppcf	Not available	Not available	Respirable fraction;All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by this limit, which is the same as the Particulates Not Otherwise Regulated (PNOR) limit in Table Z-1. / Total dust;All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by this limit, which is the same as the Particulates Not Otherwise Regulated (PNOR) limit in Table Z-1.
US ACGIH Threshold Limit Values (TLV)	P.B.27	Not available	Not available	5 mg/m <sup>3</sup>	TLV® Basis: URT irr; headache; nausea; thyroid eff
US OSHA Permissible Exposure Levels (PELs) - Table Z3	P.R.81	5 mg/m <sup>3</sup> / 15 mg/m <sup>3</sup> / 15 mppcf / 50 mppcf	Not available	Not available	Respirable fraction;All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by this limit, which is the same as the Particulates Not Otherwise Regulated (PNOR) limit in Table Z-1. / Total

					dust; All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by this limit, which is the same as the Particulates Not Otherwise Regulated (PNOR) limit in Table Z-1.
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**EMERGENCY LIMITS:**

Ingredient	TEEL-1	TEEL-2	TEEL-3
Barium sulfate	30 mg/m <sup>3</sup>	330 mg/m <sup>3</sup>	2000 mg/m <sup>3</sup>
White latex	30 mg/m <sup>3</sup>	330 mg/m <sup>3</sup>	2000 mg/m <sup>3</sup>
Pulvitalci	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	2.6 mg/m <sup>3</sup>
P.W.6	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
P.G.7	30 mg/m <sup>3</sup>	330 mg/m <sup>3</sup>	2000 mg/m <sup>3</sup>
P.V.23	60 mg/m <sup>3</sup>	660 mg/m <sup>3</sup>	4000 mg/m <sup>3</sup>
P.Bk.11	21 mg/m <sup>3</sup>	230 mg/m <sup>3</sup>	1400 mg/m <sup>3</sup>
P.B.29	30 mg/m <sup>3</sup>	330 mg/m <sup>3</sup>	2000 mg/m <sup>3</sup>
P.B.27	30 mg/m <sup>3</sup>	330 mg/m <sup>3</sup>	2000 mg/m <sup>3</sup>
P.R.81	30 mg/m <sup>3</sup>	330 mg/m <sup>3</sup>	2000 mg/m <sup>3</sup>

Ingredient	Original IDLH	Revised IDLH
Pulvitalci	N.E. mg/m <sup>3</sup> / N.E. ppm	1000 mg/m <sup>3</sup>
P.W.6	N.E. mg/m <sup>3</sup> / N.E. ppm	5000 mg/m <sup>3</sup>
P.B.27	50 mg/m <sup>3</sup>	25 mg/m <sup>3</sup>

**Exposure controls:**

**Appropriate engineering controls:** Use in a well-ventilated area.

**Individual protection measures, such as personal protective equipment:**

- Eye / face protection** No special requirements.
- Skin protection** No special requirements. Wear gloves if necessary.
- Respiratory protection** No special requirements.
- General hygiene considerations** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

**9. Physical and chemical properties**

**Appearance**

- Physical state** Solid
- Form** Solid
- Color** Various colors
- Odor** Not available
- Odor threshold** Not available
- pH** Not available
- Vapor pressure** Not available

<b>Melting point/Freezing point</b>	Not available
<b>initial boiling point and boiling range</b>	Not available
<b>Flash point</b>	Not available
<b>Evaporation rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Explosion limits</b>	Not available
<b>Vapor density</b>	Not available
<b>Relative density</b>	Not available
<b>Solubility (water)</b>	3.1 mg/L(CAS#7727-43-7)
<b>Partition coefficient</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	1600 °C(CAS#7727-43-7)
<b>Specific gravity</b>	Not available
<b>Flammability limits in air, upper, %by volume</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>VOC</b>	Not available
<b>Percent volatile</b>	Not available
<b>Other data</b>	
<b>Viscosity</b>	Not available

## 10. Stability and reactivity

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	Incompatible materials.
<b>Incompatible materials</b>	Avoid contact with oxidizing agents.
<b>Hazardous decomposition products</b>	Oxides of carbon.
<b>Possibility of hazardous reactions</b>	No dangerous reactions known.

## 11. Toxicological information

### Toxicokinetics, metabolism and distribution:

**Non-human toxicological data:** Not available

### Information on toxicological effects:

#### Acute toxicity:

Barium sulfate (CAS#7727-43-7)

<b>LD50(Oral, Rat):</b>	307 g/kg(male)
<b>LD50(Dermal, Rat):</b>	Not available
<b>LC50(Inhalation, Rat):</b>	Not available
<b>Skin corrosion/Irritation:</b>	Not classified.
<b>Serious eye damage/irritation:</b>	Not classified
<b>Respiratory or skin sensitization:</b>	Not classified
<b>Germ cell mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified
<b>Reproductive toxicity:</b>	Not classified
<b>STOT- single exposure:</b>	Not classified
<b>STOT-repeated exposure:</b>	Not classified

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Aspiration hazard:

Not classified

## 12. Ecological information

### Toxicity:

Barium sulfate (CAS#7727-43-7)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	> 3.5 mg/L	96h	Fish	OECD 203	N/A	N/A
LC50	14500 µg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	> 1.15 mg/L	72h	Algae	OECD 201	N/A	N/A

**Persistence and degradability:**

Not available.

**Bioaccumulative potential:**

Not available.

**Mobility in soil:**

Not available.

**Results of PBT&vPvB assessment:**

Not available.

**Other adverse effects:**

No known significant effects or critical hazards.

## 13. Disposal considerations

**Disposal instructions**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Contaminated packaging**

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

### DOT

**Basic shipping requirements:**

**UN number**

Not regulated

**Proper shipping name**

Not regulated

**Hazard class**

Not regulated

**Packing group**

Not regulated

**Environmental hazards**

No

### IATA

**UN number**

Not regulated

**UN proper shipping name**

Not regulated

**Transport hazard class(es)**

Not regulated

**Packing group**

Not regulated

**Environmental hazards**

No

### IMDG

**UN number**

Not regulated

**UN proper shipping name**

Not regulated

**Transport hazard class(es)**

Not regulated

**Packing group**

Not regulated

**Environmental hazards**

No

## 15. Regulatory information

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

<b>Kaolin(1318-74-7) is found on the following</b>	US - Idaho - Limits for Air Contaminants
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<b>regulatory lists</b>	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>Barium sulfate(7727-43-7) is found on the following regulatory lists</b>	US - Alaska Limits for Air Contaminants US - Hawaii Air Contaminant Limits US - Idaho - Limits for Air Contaminants US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants US ACGIH Threshold Limit Values (TLV) US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>Pulvistalci(14807-96-6) is found on the following regulatory lists</b>	US - Alaska Limits for Air Contaminants US - Hawaii Air Contaminant Limits US - Idaho - Limits for Air Contaminants US - Idaho - Toxic and Hazardous Substances - Mineral Dust US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants US - Wyoming Toxic and Hazardous Substances Table Z-3 Mineral Dusts US ACGIH Threshold Limit Values (TLV) US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>White latex (9003-20-7) is found on the following regulatory lists</b>	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>Dispersing agent NNO(26545-58-4) is found on the following regulatory lists</b>	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>P.W.6(13463-67-7) is found on the following regulatory lists</b>	US - Alaska Limits for Air Contaminants US - Hawaii Air Contaminant Limits US - Idaho - Limits for Air Contaminants US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants US ACGIH Threshold Limit Values (TLV) US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>P.Y.1(2512-29-0) is found on the following regulatory lists</b>	US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants US ATSDR Minimal Risk Levels for Hazardous Substances (MRLs) US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>P.O.13(3520-72-7) is found on the following regulatory lists</b>	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>P.Y.3(6486-23-3) is found on the following regulatory lists</b>	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>P.Y.43(64294-91-3) is found on the following regulatory lists</b>	Not Applicable
<b>P.G.7(1328-53-6) is found on the following regulatory lists</b>	US - Hawaii Air Contaminant Limits US - Idaho - Limits for Air Contaminants US - Washington Toxic air pollutants and their ASIL, SQER and de minimis emission values US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants US ATSDR Minimal Risk Levels for Hazardous Substances (MRLs) US EPCRA Section 313 Chemical List US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

<b>P.V.23(6358-30-1) is found on the following regulatory lists</b>	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>P.Bk.11(12227-89-3) is found on the following regulatory lists</b>	US - Alaska Limits for Air Contaminants US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>P.B.28(1345-16-0) is found on the following regulatory lists</b>	US EPCRA Section 313 Chemical List US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>P.B.29(57455-37-5)is found on the following regulatory lists</b>	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>P.B.27(12240-15-2) is found on the following regulatory lists</b>	US - Alaska Limits for Air Contaminants US - Hawaii Air Contaminant Limits US - Idaho - Limits for Air Contaminants US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants US ACGIH Threshold Limit Values (TLV) US EPCRA Section 313 Chemical List US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>P.Y.42(51274-00-1)is found on the following regulatory lists</b>	US - Alaska Limits for Air Contaminants US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>P.Br.6(52357-70-7) is found on the following regulatory lists</b>	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>P.W.5(1345-05-7) is found on the following regulatory lists</b>	US EPCRA Section 313 Chemical List US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>P.R.101(1407-37-1) is found on the following regulatory lists</b>	Not Applicable
<b>P.R.112(6535-46-2) is found on the following regulatory lists</b>	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>P.R.81(12224-98-5) is found on the following regulatory lists</b>	US - Hawaii Air Contaminant Limits US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>P.R.122(980-26-7) is found on the following regulatory lists</b>	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>P.R.8(6410-30-6) is found on the following regulatory lists</b>	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>P.R.4(2814-77-9) is found on the following regulatory lists</b>	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
<b>P.R.21(6410-26-0) is found on the following regulatory lists</b>	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

## 16. Other information, including date of preparation or last revision

HMIS@ratings

Health: 0

Flammability: 1

Physical hazard: 0

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**NFPA ratings**

Health: 0  
Flammability: 1  
Instability: 0

**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available.

**Issue date**

12-29-2015