

SAFETY DATA SHEET

Chalk Powder

Page 1 of 1

Revision: 1

Dec. 28, 2022

B2022092221



1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name: Chalk Powder

Colour: Red, Blue, Black, Yellow, Green, Orange, White

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture: Marking.

1.3 Details of the supplier of the safety data sheet

Company name: WuXi XinKe Tools Manufacture Co.,Ltd.

Contact person: JACKIE

Duty: Business manager

Address: A47 PLOT, SHUOFANG INDUSTRIAL CONCENTRATED ZONE, NEW DISTRICT, WUXI, JIANGSU, 214142, CHINA

Telephone number: +86-13812020573

E-mail address: Jackiechen@sincotools.com.cn

1.4 Emergency telephone number:

+86-13812020573

Other information: /

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance/mixture according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) and globally harmonized system of classification and labelling of chemicals (GHS)

Physical hazards

Not Classified.

Health hazards

Not Classified.

2.2 Label Elements

Hazard Pictogram(s): None.

Signal Word: None.

Hazard Statements

No information available.

SAFETY DATA SHEET

Chalk Powder

Page 2 of 11

Revision: 7

Sep.28, 2022

NB2022092221



Precautionary statements

No information available.

2.3 Other hazards

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

1) Red

| Component | Weight (%) | CAS NO. | GHS |
|---------------------------------------|------------|-----------|-------------------|
| Calcium carbonate(CaCO ₃) | 75~80 | 471-34-1 | No data available |
| Red iron oxide-pigment | 20~25 | 1309-37-1 | No data available |

2) Blue

| Component | Weight (%) | CAS NO. | GHS |
|---------------------------------------|------------|------------|-------------------|
| Calcium carbonate(CaCO ₃) | 80~85 | 471-34-1 | No data available |
| Ultramarine blue | 15~20 | 57455-37-5 | No data available |

3) Black

| Component | Weight (%) | CAS NO. | GHS |
|---------------------------------------|------------|-----------|-------------------|
| Calcium carbonate(CaCO ₃) | 70~75 | 471-34-1 | No data available |
| Black Iron Oxide | 25~30 | 1309-38-2 | No data available |

4) Yellow

| Component | Weight (%) | CAS NO. | GHS |
|---------------------------------------|------------|------------|-------------------|
| Calcium carbonate(CaCO ₃) | 75~80 | 471-34-1 | No data available |
| Yellow Iron Oxide | 20~25 | 51274-00-1 | No data available |

SAFETY DATA SHEET

Chalk Powder

Page 3 of 11

Revision: 7

Sep.28, 2022

NB2022092221



5) Green

| Component | Weight (%) | CAS NO. | GHS |
|---------------------------------------|------------|-----------|-------------------|
| Calcium carbonate(CaCO ₃) | 85~90 | 471-34-1 | No data available |
| Fluorescent green | 10~15 | 1328-53-6 | No data available |

6) Orange

| Component | Weight (%) | CAS NO. | GHS |
|---------------------------------------|------------|-----------|-------------------|
| Calcium carbonate(CaCO ₃) | 85~90 | 471-34-1 | No data available |
| Fluorescent orange | 10~15 | 1719-72-8 | No data available |

7) White

| Component | Weight (%) | CAS NO. | GHS |
|---------------------------------------|------------|----------|-------------------|
| Calcium carbonate(CaCO ₃) | 100 | 471-34-1 | No data available |

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye Contact Immediately rinse open eyes with running water for at least 15 minutes. Obtain medical attention.

Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention immediately if symptoms occur.

Ingestion Do not induce vomiting without medical advice. Clean mouth with water. Never administer anything by mouth to an unconscious person. Obtain medical aid immediately.

Inhalation If breathed in, move person into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical aid immediately if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

| | |
|--------------------------|--------------|
| SAFETY DATA SHEET | Page 4 of 11 |
| | Revision: 7 |
| | Sep.28, 2022 |
| Chalk Powder | NB2022092221 |



5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Water spray. Carbon dioxide (CO₂). Dry chemical. Chemical foam.

Extinguishing media which shall not be used for safety reasons

No information available.

5.2 Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors.

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Ensure adequate ventilation, Avoid dust formation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment. Avoid breathing vapors, mist, gas or dust.

6.1.2 For emergency responders

Use suitable protective equipment for personal protection.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Keep away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up

Sweep up, vacuum and collect in suitable, closed containers for recovery or disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

6.4 Reference to other sections

If appropriate Sections 8 and 13 shall be referred to.

7. HANDLING AND STORAGE

SAFETY DATA SHEET

Chalk Powder

Page 5 of 11

Revision: 7

Sep.28, 2022

NB2022092221



7.1 Precautions for safe handling

Ensure adequate ventilation. Wear personal protective equipment. Avoid direct physical contact. Do not breathe dust. Do not breathe vapors or spray mist. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke while handling. Keep far away from flammable materials and heat source. Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well-ventilated location in a tightly sealed container or cylinder. To maintain product quality, do not store in heat or direct sunlight. Keep away from incompatible materials, ignition sources and untrained individuals. Secure and label area. Protect containers/cylinders from physical damage. The storage area should be equipped with a leak emergency treatment equipment and suitable shelter materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure limit values

| Component | ACGIH TLV | OSHA PEL | NIOSH |
|--|-------------------|---|---|
| Calcium carbonate (471-34-1) | No data available | TWA: 15 mg/m ³ (8 hours) (Inhalable fraction) 5 mg/m ³ (8 hours) (Respirable fraction) | TWA: 10 ppm (8 hours) (Inhalable fraction) 5 mg/m ³ (8 hours) (Respirable fraction) |
| Red iron oxide-pigment (1309-37-1) | No data available | TWA: 10 mg/m ³ (8 hours) | TWA: 5 mg/m ³ (8 hours) (as Fe, total particulate) |

Biological limit values

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration (PNEC)

No information available.

8.2 Exposure controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

SAFETY DATA SHEET

Page 6 of 11

Revision: 7

Sep.28, 2022

Chalk Powder

NB2022092221



Individual protection measures

| | |
|---------------------------------|---|
| Eye protection | Safety glasses with side-shields |
| Hand protection | Protective gloves |
| Skin and body protection | Wear appropriate protective gloves and clothing to prevent skin exposure. |
| Respiratory protection | Use a NIOSH or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. |

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|--|---|
| Physical state | : Solid powder. |
| Appearance | : Red, Blue, Black, Yellow, Green, Orange, White. |
| Odor | : Odorless. |
| Odor Threshold | : Not provided. |
| pH | : 8-9. |
| Melting point | : 825° C / 1517° F.. |
| Initial boiling point and boiling range | : Not provided. |
| Flash point | : Not provided. |
| Evaporation rate | : Not provided. |
| Upper/lower explosive limits | : Not provided. |
| Vapour pressure/ density | : Not provided. |
| Relative density | : Not provided. |
| Solubility(ies) | : Not provided. |
| Partition coefficient: n-octanol / water | : Not provided. |
| Auto-ignition temperature | : Not provided. |
| Decomposition temperature | : Not provided. |
| Viscosity | : Not provided. |

9.2 Other information

Not provided.

SAFETY DATA SHEET

Page 7 of 11

Revision: 7

Sep.28, 2022

Chalk Powder

NB2022092221



10. STABILITY AND REACTIVITY

10.1 Reactivity

Hazardous polymerization does not occur.

10.2 Chemical stability

Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

Incompatible products, exposure to moist air or water, keep away from fire.

10.5 Incompatible materials

Strong oxidizing agents, Acid.

10.6 Hazardous decomposition products

Carbon monoxide (CO), Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

(a) acute Toxicity

Toxicology data for the components

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------------------------------|-----------------------|--|---|
| Calcium carbonate (471-34-1) | 6450 mg/kg (Rat) | > 2000 mg/kg (Rat) (OECD Guideline 402) | > 3 mg/L 4h (Rat) (OECD Guideline 403) |
| Red iron oxide-pigment (1309-37-1) | > 10000 mg/kg (Rat) | No data available | No data available |

(b) skin corrosion/irritation

No information available.

(c) serious eye damage/irritation

No information available.

(d) respiratory or skin sensitisation

Respiratory

No information available.

Skin

No information available.

(e) germ cell mutagenicity

No information available.

(f) carcinogenicity

There is no known carcinogens in this product.

SAFETY DATA SHEET

Page 8 of 11

Revision: 7

Sep.28, 2022

Chalk Powder

NB2022092221



| | |
|---------------------------------|--|
| (g) reproductive toxicity | No information available. |
| (h) STOT-single exposure | No information available. |
| (i) STOT-repeated exposure | No information available. |
| Target Organs | No information available. |
| (j) aspiration hazard | No information available. |
| Other Adverse Effects | The toxicological properties have not been fully investigated. |
| Endocrine Disruptor Information | None known. |

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity effects

Do not empty into drains. The product contains following substance(s) which are hazardous for the environment.

| Component | Freshwater Algae | Freshwater Fish | Microtox | Water Flea |
|---------------------------------------|-------------------|---|-------------------|---------------------|
| Calcium carbonate (471-34-1) | No data available | LC50: > 56 g/L,96h | No data available | No data available |
| Red iron oxide-pigment (1309-37-1) | No data available | LC0: > 50 g/L,96h (Danio rerio) | No data available | EC50: >100 mg/L,48h |
| Fluorescent green (1328-53-6) | No data available | LC50: >250 ppm,48h (Oryzias latipes) | No data available | No data available |

12.2 Persistence and degradability No information available.

12.3 Bioaccumulative potential

| Component | log Pow | Bioconcentration factor (BCF) |
|------------------------------|-------------------|--|
| Fluorescent green(1328-53-6) | No data available | 0.51 - 4.8 (conc. 100 ppb), 2.1 - 74 (conc. 10 ppb) |

12.4 Mobility in soil No information available.

12.5 Results of PBT and vPvB assessment No data available for assessment.

SAFETY DATA SHEET

Chalk Powder

Page 9 of 11

Revision: 7

Sep.28, 2022

NB2022092221



12.6 Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste from Residues / Unused Products Chemical waste generators must determine whether a discarded chemical is classified as hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.

Contaminated Packaging Empty remaining contents. Dispose of in accordance with local regulations. Do not re-use empty containers.

14. TRANSPORT INFORMATION

IMDG/IMO Not regulated.

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

ADR/RID Not regulated.

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

ICAO/IATA Not regulated.

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards No hazards identified.

14.6. Special precautions for user No special precautions required.

SAFETY DATA SHEET

Page 10 of 11

Revision: 7

Sep.28, 2022

Chalk Powder

NB2022092221



14.7 Transport in bulk according to Annex II of Marpol73/78 and the IBC Code Not applicable, packaged goods.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

International Inventories X = listed

| Component | EINECS | NZIoC | TSCA | DSL | NDSL | PICCS | IECSC | AICS | KECI |
|---------------------------------------|-----------|-------|------|-----|------|-------|-------|------|------|
| Calcium carbonate(CaCO ₃) | 207-439-9 | X | X | X | - | X | X | X | X |
| Red iron oxide-pigment | 215-168-2 | X | X | X | - | X | X | X | X |
| Ultramarine blue | 611-533-9 | X | X | X | - | X | X | X | X |
| Black Iron Oxide | 215-169-8 | X | X | X | - | X | X | X | X |
| Yellow Iron Oxide | 257-098-5 | X | X | X | - | X | X | X | X |
| Fluorescent green | 215-524-7 | X | X | X | - | X | X | X | X |
| Fluorescent orange | - | - | - | - | - | - | - | - | - |

United States - Federal Regulations

SARA Title III - Section 302 Extremely Hazardous Chemicals:

The components in this product are either not SARA Section 302 regulated or regulated but present in negligible concentrations.

SARA Title III - Section 313 Toxic Chemicals:

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantity (RQ):

The components in this product are either not CERCLA regulated, regulated but present in negligible concentrations, or regulated with no assigned reportable quantity.

| | |
|--------------------------|---------------|
| SAFETY DATA SHEET | Page 11 of 11 |
| | Revision: 7 |
| | Sep.28, 2022 |
| Chalk Powder | NB2022092221 |



Legend

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- EINECS - European Inventory of Existing Commercial Chemical Substances
- NZIoC - New Zealand Inventory of Chemicals
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- AICS - Australian Inventory of Chemical Substances
- KECI - Korea Existing Chemicals Inventory

15.2. Chemical safety assessment

No information available.

16. OTHER INFORMATION

This SDS is in accordance with Regulation 2012 OSHA Hazard Communication Standard(29 CFR 1910.1200) and globally harmonized system of classification and labelling of chemicals(GHS).

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 or 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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