



Material Safety Data Sheet

COLORED CHALKS
MSDS NO.:AJT131101096E

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Colored chalks
Product Use: Toys, Writing

Supplier Information

Company Name: TIANJIN ZHONGRUI STATIONERY PRODUCTS CO., LTD
Address: 6 ZHENXING ROAD, NORTH INDUSTRIAL ESTATE, JINGHAI, TIANJIN, CHINA, 301600
Tel: 0086-22-28945515
Fax: 0086-22-28943852
Email: Jialing_chen@zhongruistationery.com
Emergency Telephone: 0086-22-28942604

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

This product is not expected to produce any unusual hazards during normal use. Exposure to high dust levels may irritate the skin, eyes, nose, throat, or upper respiratory tract.

POTENTIAL HEALTH EFFECTS

ACUTE:

Eyes: Airborne dust or direct contact can cause mechanical irritation of eyes. If burning, redness, itching, pain or other symptoms persist or develop, consult physician.

Skin: Direct, prolonged or repeated contact with the skin may cause irritation.

Inhalation: Dust exposures generated during the handling of the product may irritate eyes, skin, nose, throat, and upper respiratory tract. Persons subjected to large amounts of this dust will be forced to leave area because of nuisance conditions such as coughing, sneezing and nasal irritation. Labored breathing may occur after excessive inhalation. If respiratory symptoms persist, consult physician.

Ingestion: If ingested may cause temporary irritation to the gastrointestinal tract, especially the stomach. No known effects.

CHRONIC:

Eyes: None known.

Skin: None known.

Ingestion: No known effects.

Inhalation: Testing of dust from gypsum powders has not detected respirable crystalline silica. Exposures to respirable crystalline silica are not expected during the normal use of this product; however, actual levels must be determined by workplace hygiene testing.

Jiande Anjian Test Technology Services Co., Ltd.

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Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e., silicosis) and/or lung cancer. The development of silicosis may increase the risks of additional health effects. The risk of developing silicosis is dependent upon the exposure intensity and duration.

TARGET ORGANS: Eyes, skin and respiratory system.

PRIMARY ROUTES OF ENTRY: Inhalation, eyes and skin contact.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Preparation: Preparation

Ingredients Name	Content/%	CAS NO.	EC NO.	RISK PHRASES
Calcium sulfate hemihydrate	45~50%	13397-24-5	231-900-3	-
Water	40~50%	7732-18-5	231-791-2	-
None toxic pigments*	5-10%	-	-	-

* Pigments list:

Pigments *	CAS No.	EC No.	Risk Phrases
Calcium sulfate hemihydrate	13397-24-5	231-900-3	-
2,2'-[(3,3'-Dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(2,4-dimethylphenyl)-3-oxo-butanamide]	5102-83-0	225-822-9	-
4-[(2,5-Dichlorophenyl)azo]-3-hydroxy-N-phenylphthalene-2-carboxamide	6041-94-7	227-930-1	-
29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	147-14-8	205-685-1	-
2,2'-[(3,3'-Dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(2-methylphenyl)-3-oxobutyramide]	5468-75-7	226-789-3	-
2-Naphthalenecarboxylic acid,4-[(5-chloro-4-methyl-2-sulfohenyl)azo]-3-hydroxy-,strontium salt(1:1)	15782-05-5	239-879-2	-
Phthalocyanine Green	1328-53-6	215-524-7	-

Note:

1: See Section 8 of MSDS for exposure limit data for these ingredients. Full text of risk phrases appearing in section 3: see section 16.

The preparation is not classified as dangerous under the Hazard Communication Standard.

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

This MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS

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should be retained and available for employees and other users of the product.

4. FIRST AID MEASURES

FIRST AID PROCEDURES

Eyes: In case of contact, do not rub or scratch your eyes. Flush thoroughly with water for 15 minutes to remove particles. If irritation persists, consult physician.

Skin: Wash with mild soap and water. A commercially available hand lotion may be used to treat dry skin areas. If skin has become cracked, take appropriate action to prevent infection and promote healing. If irritation persists, consult physician.

Inhalation: Remove to fresh air.

Ingestion: This product is not intended to be ingested or eaten. No harmful effects expected. No specific recommendations. If gastric disturbance occurs, call physician.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED: Pre-existing upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema and asthma. Pre-existing skin diseases such as, but not limited to, rashes and dermatitis.

5. FIRE FIGHTING MEASURES

General Fire Hazards: Not expected to burn.

Flash Point: None Known

Method Used: Not Applicable

Auto Ignition: Not Applicable

Flammability Classification: Not Applicable

Upper Flammable Limit (UFL): Not Applicable

Lower Flammable Limit (LFL): Not Applicable

Rate of Burning: Not Applicable

Hazardous Combustion Products: Above 1450° C - decomposes to calcium oxide (CaO) and sulfur dioxide (SO₂)

Extinguishing Media: Water or use extinguishing media appropriate for surrounding fire.

Special Fire Fighting Procedures: Wear appropriate personal protective equipment (See section 8).

Unusual Fire & Explosion Hazards: None

6. ACCIDENTAL RELEASE MEASURES

CONTAINMENT:

No special precautions. Wear appropriate personal protection (See Section 8).

CLEAN-UP:

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Use normal clean up procedures. Avoid dust generation. Avoid inhalation of dust and contact with eyes. Maintain proper ventilation. If vacuum is used to collect dust, use an industrial vacuum cleaner with a high efficiency air filter. If sweeping is necessary, use dust suppressant. Do not use compressed air for clean up. These procedures will help minimize potential exposures. If washed down, may plug drains.

DISPOSAL:

Follow all local, state, provincial and federal regulations. Never discharge large releases directly into sewers or surface waters. Trace amounts of residue can be flushed to a drain, using plenty of water.

7. HANDLING AND STORAGE

HANDLING:

Minimize dust generation and accumulation. Avoid breathing dust.

STORAGE:

Store at room temperature in a dry location.

Keep containers closed when not in use.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

ENGINEERING CONTROLS:

Provide ventilation sufficient to control airborne dust levels especially respirable crystalline silica.

If user operations generate airborne dust, use ventilation to keep dust concentrations below permissible exposure limits (See Section 3).

Where general ventilation is inadequate, use process enclosures, local exhaust ventilation, or other engineering controls to control dust levels below permissible exposure limits (see Section 2). If engineering controls are not possible, wear a properly fitted NIOSH/MSHA-approved particulate respirator.

RESPIRATORY PROTECTION:

Wear a NIOSH/MSHA-approved respirator equipped with particulate cartridges when dusty in poorly ventilated areas, and if TLV is exceeded. A respiratory program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

OTHER PERSONAL PROTECTIVE EQUIPMENT:

Eye: For most situations, no respiratory protection should be needed; Wear appropriate protective glasses when necessary.

Skin: For most situations, no skin protection should be needed.

General: Selection of Personal Protective Equipment will depend on environmental working conditions and operations.

Exposure guidelines

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Hazardous Ingredients	CAS Number	OSHA PEL/TWA	ACGIH TLV
Calcium sulfate hemihydrate	13397-24-5	15 mg/m ³	10 mg/m ³

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colored chalks
Physical State: Solid
Color: Red, yellow, blue, orange, violet, white, green, brown
Odor: No odor
Boiling Point: Not Applicable
pH @ 25 ° C: ~7
Melting Point: Not Applicable
Softening Point: Not Applicable
Freezing Point: Not Applicable
Vapor Density (Air = 1): Not Applicable
Specific Gravity (H₂O = 1): 2.3-2.5
Vapor Pressure (mm Hg): Not Applicable
Percent Volatile: Zero
Evaporation Rate (BuAc = 1): Not Applicable
VOC Content: Zero
Viscosity: Not Applicable
Solubility (H₂O): ~ 0.21 g/100 g solution

10. STABILITY AND REACTIVITY

STABILITY: Stable.
CONDITIONS TO AVOID: Contact with incompatibles.
INCOMPATIBILITY: None known.
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION: Above 1450° C - decomposes to calcium oxide (CaO) and sulfur dioxide (SO₂)

11. TOXICOLOGICAL INFORMATION

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ACUTE EFFECTS:

Direct contact may cause eye, skin and/or respiratory irritation.

LD₅₀: Not Available for product. LC₅₀: Not Available for product.

CHRONIC EFFECTS / CARCINOGENICITY:

No data available to indicate product or components present at greater than 1% are chronic health hazards.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL TOXICITY: This product has no known adverse effect on the ecology. A large discharge directly into waterways would not be expected to kill aquatic life.

ECOTOXICITY VALUE: Not determined.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Dispose of material in accordance with Federal, State, Provincial, and Local regulations. Consult with environmental regulatory agencies for guidance on acceptable disposal practices. Never discharge directly into sewers or surface waters.

14. TRANSPORT INFORMATION

The preparation is not classified as dangerous goods.

Proper shipping name: None
Hazard class: NA
Packing group: NA
Identification number: Not regulated

15. REGULATORY INFORMATION

European Labeling in Accordance with EC Directives

Hazard Symbols: None

Risk Phrases: This product is not classified according to the EU regulations.

Safety Phrases: -

US Regulations

No SARA 313 chemicals are present above the reporting threshold.

Product is not considered to be a hazardous chemical under the Hazard Communication Standard.

Inventory Status

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Inventory	Status
United States (TSCA)	One or more ingredients are on the inventory or exempt from listing.

16. OTHER INFORMATION

Risk phrases in section 3:

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Issue Date: 2013-11-01

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

* * * END OF MSDS * * *

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