



MATERIAL SAFETY DATA SHEET



Name of Sample: Chalk Powder

Commissioner: Blue Spot Tools

Issue Date: 10-05-2024

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Signed: 

Signed: 

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Effective Date: 10-05-2024

1. Product Identification**Substance Name:** Chalk Powder**Substance Description:** Powdered Chalk**2. Composition**

CAS	Component	Percentage
471-34-1	Calcium carbonate	60%
512471-00-1	Iron oxide yellow	40%
1332-37-2	Iron oxide	
57455-37-5	Ultramarine blue	

3. Hazard Identification**Classification of the substance or mixture****CLP Classification - Regulation (EC) No 1272/2008**

Not hazardous

Physical hazards

Based on available data, the classification criteria are not met

Health hazards

Based on available data, the classification criteria are not met

Environmental hazards

Based on available data, the classification criteria are not met Based on available data, the classification criteria are not met

Full text of Hazard Statements: see section 16

2.2 Label elements

None required

2.3. Other hazards

In accordance with Annex XIII of the REACH Regulation, inorganic substances do not require assess

4. First Aid

Description of first aid measures

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.
Ingestion	Do NOT induce vomiting. Get medical attention.
Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur. If not breathing, give artificial respiration.
Self-Protection of the First Aider	No special precautions required.

5. Fire Fighting Measures

Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam.

Extinguishing media which must not be used for safety reasons

No information available.

Special hazards arising from the substance or mixture

Containers may explode when heated. Thermal decomposition can lead to release of irritating gases and vapors.

Hazardous Combustion Products

None under normal use conditions.

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

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

Environmental precautions

Should not be released into the environment. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

Reference to other sections

Refer to protective measures listed in Sect

7. Handling and Storage

Precautions for safe handling

Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Avoid dust formation.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place

Technical Rules for Hazardous Substances (TRGS) 510 Storage Class (LGK)

(Germany)

Class 13

Specific end use(s)

Use in laboratories

8. Personal Protection. Exposure Control

Component Exposure Limits

ACGIH and EU have not developed exposure limits for any of this product's components.

Ventilation

Based on available information, additional ventilation is not required.

PERSONAL PROTECTIVE EQUIPMENT

Eyes/Face

Eye protection not required under normal conditions.

Protective Clothing

Protective clothing is not required under normal conditions.

Glove Recommendations

Protective gloves are not required under normal conditions.

Respiratory Protection

No respirator is required under normal conditions of use. Under conditions of frequent use or heavy exposure, respiratory protection may be needed.

9. Physical and Chemical Properties

Physical State:	Powder	Appearance:	Not available
Color:	various colors	Physical Form:	solid
Odor:	odorless	Odor Threshold:	Not available
Melting Point:	Not available	Boiling Point:	Not available
Vapor Pressure:	Not applicable	Vapor Density (air = 1):	Not applicable
Density:	Not available	Specific Gravity (water = 1):	Not available
Water Solubility:	Not available	Coeff. Water/Oil D:	Not available

10. Stability and Reactivity**Reactivity**

None known, based on information available

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions**Hazardous Polymerization**

Hazardous polymerization does not occur.

Hazardous Reactions

None under normal processing.

Conditions to avoid

Incompatible products. Excess heat. Avoid dust formation.

Incompatible materials

Strong oxidizing agents. Acids.

Hazardous decomposition products

None under normal use conditions

11. Toxicological information**Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Product Information

acute toxicity

Oral Based on available data, the classification criteria are not met

Dermal Based on available data, the classification criteria are not met

Inhalation Based on available data, the classification criteria are not met

12. Ecological information

Toxicity

Ecotoxicity effect

Component	Freshwater Fish	Water Flea	Freshwater Algae
Calcium carbonate	LC50 > 56 g/L/96h		

Persistence and degradability

Persistence: Insoluble in water.

Degradability: Not relevant for inorganic substances.

Bioaccumulative potential: May have some potential to bioaccumulate

13. Disposal Considerations

Waste treatment methods

Waste from Residues/Unused Products

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Contaminated Packaging

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

European Waste Catalogue (EWC)

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

Other Information

Waste codes should be assigned by the user based on the application for which the product was used

14. Transport Information

IMO/IMDG: Not regulated

US DOT Information

No Classification assigned.

TDG Information

No Classification assigned.

ADR Information

No Classification assigned.

RID Information

No Classification assigned.

IATA Information

No Classification assigned.

ICAO Information

No Classification assigned.

IMDG Information

No Classification assigned.

15. Regulatory Information

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

Regulation (EC) n. 1272/2008 (CLP) and amendments

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

No restriction.

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

Provisions related to directives 82/501/EC(Seveso), 96/82/EC(Seveso II): N.A.

Chemical safety assessment No

16. Other Information

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

