

Safety Data Sheet (SDS)

The content and format of this SDS is accordant with 29 CFR 1910.1200 (OSHA standard)

1. Identification

Product details:

Product name: Chalk Board BR-PM-COM

Recommended use of the chemical and restrictions on use: Marker. Restrictions on use: Do NOT use it in an application which may contaminate food or do harm to human health.

Manufacturer/Supplier: QINGDAO BRANDLAND CULTURE & TECHNOLOGY CO., LTD.

Address: NO.2 XIANGJIANG ROAD, JIAOZHOU, QINGDAO, SHANDONG, China.

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Emergency phone number: 0086-532-83233988

2. Hazards identification

GHS classification:

Physical hazards: Not classified

Health hazards: Not classified

Environmental hazards: Not classified

Signal Word: Not applicable

Pictogram: Not applicable

Hazard Statements:

No relevant GHS classification for this product.

Precautionary Statements:

No special requirements.

Response Precautionary Statements:

No special requirements.

Storage precautionary statements:

No special requirements.

Disposal precautionary statements:

No special requirements.

3. Composition/information on ingredients

Product description: substance (); mixture (✓).

Ingredient (s)	CAS No.	EC No.	% by weight
Water	7732-18-5	231-791-2	25
Carbon black	1333-86-4	215-609-9	13
C.I. Pigment Blue 28	1345-16-0	310-193-6	13
2-Naphthalenecarboxamide, 4-[(2,5-dichlorophenyl)azo]-3-hydroxy-N-phenyl-	6041-94-7	227-930-1	12
Ci 21108	5567-15-7	226-939-8	10
Adipic acid, dioctyl ester	123-79-5	204-652-9	10
Glycerin	56-81-5	200-289-5	8
Polyvinyl butyral resin	63148-65-2	613-158-6	6
Ethyl alcohol	64-17-5	200-578-6	3

4. First aid measures

Persons using this product should consult a physician or other medical professional if an accident involving this product results in injury. Specific first-aid measures are as follows:

Inhalation: No special measures as there is no hazard for normal contact. If discomfort occurs after inhaling dust or vapours from processing or thermal decomposition, remove to a place where air is fresh.

Skin Contact: No special measures as there is no hazard for normal contact. Wash with plenty of soap and water.

Eyes Contact: No special measures as there is no hazard for normal contact. If dust or vapours from processing enters eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion: It's almost impossible to swallow this product. As for deliberate swallowing, do not induce vomiting without professional instruction, but get medical attention if discomfort occurs.

Acute effect and delayed effect:

Acute effect: Not found.

Delayed effect: Not found.

Personal protective equipment: Wear protective gloves/protective clothing/eye protection/face protection when necessary.

Indication of immediate medical attention and treatment needed, if necessary: Treat according to symptoms and exposure dose.

5. Fire-fighting measures

Extinguishing Media: Use water spray, CO₂, dry chemical, foam for extinction.

Unsuitable Extinguishing Media: Reinforced liquid (straight stream).

Special hazards arising from the chemical: The product is not flammable, and has no special danger.

Fire Fighting Method:

For initial fire, use dry powder, carbon dioxide, etc.

For large fire, it is effective to use fire foam, etc. to shut off air supply.

Deny unnecessary entry to the place around the fire.

Remove containers from fire area if it can be done without risk.

Cool surrounding facilities, etc. with water spray.

Extinguish fire from upwind, and the fire extinguishing method should be appropriate to the situation in the surroundings.

Special actions for fire-fighters: Firefighters must wear self-contained breathing apparatus and full protective equipment.

Check whether the protective equipment is in good condition before use.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Personal precautions: Use proper personal protective equipment as indicated in Section 8.

Emergency procedures: Due to the nature of this product, there are no special requirement.

Environmental precautions: Keep cleaning run-offs out of municipal sewers and open bodies of water. Comply with local and national laws and regulations.

Methods and material for containment and cleaning up:

Small Spill:

Mop up or absorb with an inert dry material (e.g. sand, dry lime) and place in an appropriately labeled waste disposal container.

Large Spill:

Isolate contaminated area and set up a warning board. The persons handling emergency are recommended wearing protective clothing. Do NOT touch spilled material.

Build up dike or dig pit for collection. Containers should be clearly marked for recycling or disposed as waste.

7. Handling and storage

Precautions for safe handling:

Wash hands thoroughly after handling.

Avoid damage of packaging or containers during handling.

Conditions for safe storage, including any incompatibilities: Store it in a well-ventilated, cool and dry store room.

Incompatible substances or mixtures: No relevant information.

Packing material: No relevant information.

8. Exposure controls/personal protection

Occupational Exposure Limits:

Ingredients	OSHA PEL-TWA	ACGIH TLV-TWA
Carbon black (CAS: 1333-86-4)	3.5 mg/m ³	3 mg/m ³
Glycerin (CAS: 56-81-5)	Total dust: 15 mg/m ³ Respirable fraction: 5 mg/m ³	--
Ethyl alcohol (CAS: 64-17-5)	1000 ppm	1000 ppm (1880 mg/m ³)

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Install washer eyes and safety showers near to the handling and storage area.

Personal Protective Equipment (For workers):

Protection of Hands: Recommend wearing protective gloves for industrial hygienic purpose.



Protection of Eyes: No special requirements under normal conditions. Wear safety glasses when vapour or fume may be generated during processing or working for a long time.

Respiratory Protection: No special requirements under normal conditions. Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms occur.

Protection of Body: Recommend wearing general working clothing.

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

9. Physical and chemical properties

General Information	
Form	Solid, containing liquid
Color	Light nature wooden grain
Odor	No data available
Odor threshold	No data available
pH	5-8 (Liquid)
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas, etc.)	Non-flammable
Upper/lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Density	0.8-0.9 (Liquid)
Solubility (ies)	No data available
Partition coefficient: n-octanol/Water	No data available

Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	5-10 cps (Liquid)

10. Stability and reactivity

Reactivity and Chemical stability: Stable under normal temperatures and pressures.
Possibility of hazardous reactions: Not reactive under normal handling and storage.
Conditions to Avoid: High temperature.
Incompatible materials: No relevant information.
Hazardous decomposition products: No relevant information.

11. Toxicological information

Product Toxicity Data:

Ingredient (s)	CAS No.	LD₅₀/LC₅₀ (Median lethal dose)
Water	7732-18-5	No data available
Carbon black	1333-86-4	Acute toxicity (Oral) LD ₅₀ > 8,000 mg /kg (rat) Data source: ECHA Acute toxicity (Dermal) LD ₅₀ > 2,000 mg/kg (rabbit) Data source: ECHA
C.I. Pigment Blue 28	1345-16-0	Acute toxicity (Oral) LD ₅₀ > 10,000 mg /kg (rat) Data source: ECHA
2-Naphthalenecarboxamide, 4-[(2,5-dichlorophenyl)azo]-3-hydroxy-N-phenyl-	6041-94-7	Acute toxicity (Oral) LD ₅₀ > 15,000 mg /kg (rat) Data source: ECHA Acute toxicity (Dermal) LD ₅₀ > 5,000 mg/kg (rat) Data source: ECHA
Ci 21108	5567-15-7	Acute toxicity (Oral) LD ₅₀ > 15,000 mg /kg (rat) Data source: ECHA Acute toxicity (Dermal) LD ₅₀ > 3,000 mg/kg (rabbit) Data source: ECHA
Adipic acid, dioctyl ester	123-79-5	Acute toxicity (Oral) LD ₅₀ : 7,392 mg /kg (rat) Data source: KOSHA
Glycerin	56-81-5	Acute toxicity (Oral) LD ₅₀ : 27,200 mg /kg (rat) Data source: ECHA Acute toxicity (Dermal) LD ₅₀ : 56,750 mg/kg (guinea pig) Data source: ECHA
Polyvinyl butyral resin	63148-65-2	No data available
Ethyl alcohol	64-17-5	Acute toxicity (Oral) LD ₅₀ : 10,470 mg /kg (rat) Data source: ECHA Acute toxicity (Dermal) LD ₅₀ : 17,100 mg/kg (rabbit) Data source: ECHA Acute toxicity (Inhalation: vapour) LC ₅₀ : 124.7 mg/L/4h (rat) Data source: ECHA
Classification of the whole product:	Not classified	

Skin corrosion/irritation	No classification for this product.
Serious eye damage/eye irritation	No classification for this product.
Respiratory sensitizer	No classification for this product.
Skin sensitizer	No classification for this product.
Germ cell mutagenicity	No classification for this product.
Carcinogenicity	No classification for this product.

Reproductive Toxicity	No classification for this product.
Specific target organ toxicity, single exposure:	No classification for this product.
Specific target organ toxicity, repeated exposure:	No classification for this product.
Aspiration hazard	No classification for this product.

12. Ecological information

Ecotoxicity:

Carbon black (CAS: 1333-86-4):

96h-LC₅₀ > 1,000 mg/L, fish (*Leuciscus idus*) (ECHA)

2-Naphthalenecarboxamide, 4-[(2,5-dichlorophenyl)azo]-3-hydroxy-N-phenyl- (CAS: 6041-94-7):

96h-LC₅₀ > 100 mg/L, fish (*Oryzias latipes*) (ECHA)

Ci 21108 (CAS: 5567-15-7):

96h-LC₅₀ > 100 mg/L, fish (*Danio rerio*) (ECHA)

Glycerin (CAS: 56-81-5):

96h-LC₅₀: 54,000 mg/L, fish (*Oncorhynchus mykiss*) (ECHA)

Ethyl alcohol (CAS: 64-17-5):

96h-LC₅₀: 13,000 mg/L, fish (*Oncorhynchus mykiss*) (ECHA)

Classification of the whole product: Not classified

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in Soil: No data available

Other adverse effects: No relevant information.

13. Disposal considerations

Waste treatment methods:

It is recommended to use incineration method to dispose of waste.

Any disposal practice must be in compliance with country, local, state, and federal laws and regulations.

Generally this product will not contaminate the packaging, so the packaging can be disposed of as non-hazardous waste.

14. Transport Information

DOT/Air-Transportation- IATA/ICAO/Sea-Transportation-IMO/IMDG:

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

UN number: Not applicable

Packing Group: Not applicable

Packing Group Symbol: Not applicable

Marine Pollutant (Yes/No): No

EMS NO.: Not applicable

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable.

Special precautions:

Check whether the package is completed or sealed before transporting; make sure no damage of packages and prevent goods from falling down during transporting; the transport vehicle should be equipped with facilities for fire-fighting and accidental release handling; do NOT transport this product together with incompatible substances; stay away from fire and areas of high temperature during stopovers.

15. Regulatory information

United States:

Emergency Planning and Community Right-to-Know Act (EPCRA) section 313 chemicals:

Chemical Name	CAS No.	Weight-%	SARA 313 – Threshold Values %
Not applicable	Not applicable	Not applicable	Not applicable

40 CFR part 355 (Extremely Hazardous Substances): Not listed.

California Proposition 65:

Chemical Name	CAS No.	Type of Toxicity
Carbon black	1333-86-4	cancer

Clean Water Act:

Ingredient (s)	CWA - Reportable Quantities	CWA - Hazardous Substances	CWA - Priority Pollutants	CWA - Toxic Pollutants
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Toxic Substances Control Act (TSCA):

Chemical Name	CAS No.	TSCA Inventory
Water	7732-18-5	Listed
Carbon black	1333-86-4	Listed
C.I. Pigment Blue 28	1345-16-0	Listed
2-Naphthalenecarboxamide, 4-[(2,5-dichlorophenyl)azo]-3-hydroxy-N-phenyl-	6041-94-7	Listed
Ci 21108	5567-15-7	Listed
Adipic acid, dioctyl ester	123-79-5	Listed
Glycerin	56-81-5	Listed
Polyvinyl butyral resin	63148-65-2	Listed
Ethyl alcohol	64-17-5	Listed

Carcinogenicity categories: Carbon black (CAS: 1333-86-4): IARC-2B, Ethyl alcohol (CAS: 64-17-5): IARC-1 (Ethanol in alcoholic beverages).

Other relevant laws and regulations:

Candidate List of Substances of very high concern (SVHC) according to ECHA: Not listed.

REACH Regulation Annex XVII Regulation List: Not listed.

REACH Regulation Annex XIV Authorization List: Not listed.

Germany – WGK: Not classified.

(EC) 1272/2008 Annex VI Table 3.1:

Ingredient(s)	EC No. 1272/2008 Classification	
	CLASS. CODE	HAZARD CODE
Ethyl alcohol (CAS: 64-17-5)	Flam. Liq. 2	H225

Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out.

16. Other information

DISCLAIMER:

All the information of this SDS is true and effective, and only for reference. Our company will not control the way how people use it, neither will we be responsible for any consequence. The users shall decide how to properly use the product or adopt certain production way for some special purpose. The above-mentioned precautionary measures are helpful to avoid damage to the property or life safety during the operation or use of this product.

References:

GHS Annex II

GHS SDS Instruction

ANSI Z400.1/Z129.1-2010

OSHA Hazard Communication Standard (HCS) 2012

Full description of some acronyms:

CAS-Chemical Abstracts Service
EINECS-European Inventory of Existing Commercial Chemical Substances
IMO-International Maritime Organization
IMDG-International Maritime Dangerous Goods
IATA-International Air Transport Association
ICAO-International Civil Aviation Organization
TSCA-Toxic Substances Control Act
OSHA-Occupational Safety and Health Administration
ACGIH- American Conference of Governmental Industrial Hygienists
ECHA- European Chemicals Agency
NITE-CHRIP- Japan National Institute of Technology and Evaluation-Chemical Risk Information Platform

The Issuing date: January 5, 2024

SDS Version: 1.0

*****The End*****