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No.: JCT-SDS20250101001E

# Safety Data Sheet (SDS)

**Applicant:** GUANGDONG BOLE ROAD SIGN TECHNOLOGY CO., LTD.

**Product Name:** White Reflective Hot Melt Marking Paint

**Model Number:** -

**Preparation** Acc. to (EC) No 1907/2006 (REACH), (EC) No 1272/2008 (CLP)

**Standards:**

**Other Information:** As per request, prepare this SDS based on the above standards and the information provided by applicant. All consequences arising from inaccurate information provided shall be borne by the applicant.

This SDS is invalid if altered, added or deleted. This SDS will automatically become invalid when there are any changes in following information: Product & company information, Hazard classification of ingredients or product, Information on Ingredients, Physical and chemical data, Transportation information, Standards or regulatory information.

GUANGZHOU JCT SERVICES CO., LTD.

Jan. 1, 2025



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**PRODUCT NAME: White Reflective Hot Melt Marking Paint**

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

Product Name: White Reflective Hot Melt Marking Paint

Model Number: -

Brand/Logo:



UFI: -



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

Relevant identified uses: Highway marking

Uses advised against: No information available.

**1.3 Details of the Supplier of the Safety Data Sheet**

Name: GUANGDONG BOLE ROAD SIGN TECHNOLOGY CO., LTD.

Address: ROOM 615, NO. 902, XINGNAN AVENUE, NANCUN TOWN, PANYU DISTRICT,  
GUANGZHOU

Information contact: TEL: +86-20-34546872

E-mail: 33388861@qq.com

**1.4 Emergency telephone number:**

Supplier emergency contact phone number: +86-18680299388

**Section 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP) and (EU) 2020/878**

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

**2.1.2 Classification system**

The classification is according to the latest edition of Regulation (EC) No 1272/2008 and (EU) 2020/878, and extended by company and literature data.

**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008 [CLP]**

Hazard pictograms: Void

Signal word: Void

Hazard statements: Void

Precautionary statements: Void



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**PRODUCT NAME: White Reflective Hot Melt Marking Paint**

**Supplemental Hazard information**

No information available.

**Special rules for supplemental label elements for certain mixtures**

No information available.

**2.3 Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**VPvB:** Not applicable.

**Section 3: Composition/information on ingredients**

**3.1 Substances**

Not applicable.

**3.2 Mixture**

Substance name	C - CAS No. E - EC/List No.	Weight %	Hazard Classification
Calcium carbonate	C: 471-34-1 E: 207-439-9	55.1	Not classified
Quartz glass beads	C: 60676-86-0 E: 262-373-8	25	Not classified
Carbon five resin	C: 64742-16-1 E: 265-116-8	15.6	Not classified
Titanium oxide	C: 1317-80-2 E: 215-282-2	2.9	Not classified
DOTP	C: 6422-86-2 E: 229-176-9	0.8	Not classified
PE wax	C: 9002-88-4 E: 680-352-5	0.6	Not classified

**Additional information:**

The information on ingredients is provided by GUANGDONG BOLE ROAD SIGN TECHNOLOGY CO., LTD.  
Full text of Hazard Statements: see section 16.

**Section 4: First aid measures**

**4.1 Description of first aid measures**



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**PRODUCT NAME: White Reflective Hot Melt Marking Paint****- General notes**

When symptoms persist, seek medical attention.

**- Following inhalation**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. If symptoms persist, call a physician.

**- Following skin contact**

Wash off with soap and plenty of water. If symptoms persist, call a physician.

**- Following eye contact**

Flush eyes with water as a precaution. If symptoms persist, call a physician.

**- Following ingestion**

Rinse mouth thoroughly with water. Get medical attention.

**- Self-Protection of the First Aider**

Use personal protective equipment as required.

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the Labeling (see section 2) and/or in section 11.

**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**Section 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Carbon dioxide, extinguishing powder, foam or water spray.

**Unsuitable extinguishing media**

No information available.

**5.2 Special hazards arising from the substance or mixture**

No information available.

**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.

**Section 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

**Protective equipment:** Use personal protective equipment as required.

**Emergency procedures:** If required, notify relevant authorities.



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**PRODUCT NAME: White Reflective Hot Melt Marking Paint****6.1.2. For emergency responders**

Use personal protective equipment as required.

**6.2 Environmental precautions**

Should not be released into the environment.

**6.3 Methods and material for containment and cleaning up****6.3.1 For containment:**

Shovel up and prevent dust generation.

**6.3.2 For cleaning up:**

Sweep up and shovel into suitable containers for disposal.

**6.3.3 Other information:**

No information available.

**6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**Section 7: Handling and storage****7.1 Precautions for safe handling****Protective measures**

Avoid contact with eyes and skin. Avoid ingestion and inhalation.

**Advice on general occupational hygiene**

Handle in accordance with good industrial hygiene and safety practice.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

Store away from incompatible materials described in Section 10.

**Packaging materials**

Plastic bag.

**Requirements for storage rooms and vessels**

Store in a dry, cool and well-ventilated place.

**Further information about storage conditions**

Store in accordance with local regulations.

**7.3 Specific end use(s)**

Apart from the uses mentioned in Section 1, no other specific uses are stipulated.



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**PRODUCT NAME: White Reflective Hot Melt Marking Paint**

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

CAS No.	TWA	STEL	Sources
471-34-1	10 mg/m <sup>3</sup>	-	France
60676-86-0	0.3 mg/m <sup>3</sup>	-	Austria

#### Biological limit values

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

#### Monitoring methods

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

MDHS70 General methods for sampling airborne gases and vapours.

MDHS 88 Volatile organic compounds in air. Laboratory method using diffusive samplers, solvent desorption and gas chromatography.

MDHS 96 Volatile organic compounds in air. Laboratory method using pumped solid sorbent tubes, solvent desorption and gas chromatography.

#### Derived No Effect Level (DNEL)

No information available.

#### Predicted No Effect Concentration (PNEC)

No information available.

#### Additional information

The lists that were valid during the creation were used as basis.

### 8.2 Exposure controls

Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure.

#### 8.2.1 Appropriate engineering controls

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

#### 8.2.2 Personal protective equipment

##### 8.2.2.1 Eye and Face protection

Use equipment for eye protection tested and approved under appropriate government standards.

##### 8.2.2.2 Skin protection

##### Hand protection



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**PRODUCT NAME: White Reflective Hot Melt Marking Paint**

Handle with gloves.

**Other skin protection measures**

Protective clothing.

**8.2.2.3 Respiratory Protection**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained properly.

**8.2.2.4 Thermal hazards**

No protection is ordinarily required under normal conditions of use. If need, Wear protective clothing.

**8.2.3 Environmental exposure controls**

Control measures must be made in accordance with community environmental protection legislation.

**Section 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

<b>Physical state:</b>	Granule and powder
<b>Colour:</b>	White
<b>Odour:</b>	Weak odor
<b>Melting point/freezing point:</b>	> 110 °C
<b>Boiling point or initial boiling point and boiling range:</b>	No data available
<b>Flammability(Solid, Gases):</b>	Nonflammable
<b>Lower and upper explosion limit/flammability limit:</b>	No data available
<b>Flash point(Closed cup):</b>	Not applicable
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>pH:</b>	No data available
<b>Kinematic viscosity:</b>	Not applicable
<b>Solubility:</b>	Insoluble in water
<b>Partition coefficient n-octanol/water (log value):</b>	No data available
<b>Vapour pressure:</b>	No data available
<b>Density and/or relative density:</b>	No data available
<b>Relative vapour density:</b>	Not applicable
<b>Particle characteristics:</b>	No data available

**9.2 Other information**

No information available.



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**PRODUCT NAME: White Reflective Hot Melt Marking Paint**

Remark: The data was derived from the ingredients of the mixture and provided by the enterprise.

**Section 10: Stability and reactivity**

**10.1 Reactivity**

Stable under normal conditions.

**10.2 Chemical stability**

Stable at normal temperatures and storage conditions.

**10.3 Possibility of hazardous reactions**

None under normal processing.

**10.4 Conditions to avoid**

Incompatible materials.

**10.5 Incompatible materials**

No data available.

**10.6 Hazardous decomposition products**

No data available.

**Section 11: Toxicological information**

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**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.

**LD/LC50 values that are relevant for classification**

CAS No.	LD50 Oral	LD50 Dermal	LC50 Inhalation
471-34-1	6450 mg/kg ( Rat )	> 2000 mg/kg (Rabbit)	> 3 mg/L (Rat, 4H)
6422-86-2	> 5000 mg/kg ( Rat )	-	-
9002-88-4	2000 mg/kg ( Rat )	-	-

**Skin corrosion/irritation:** Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation:** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitization:**

- Respiratory: Based on available data, the classification criteria are not met.
- Skin: Based on available data, the classification criteria are not met.

**Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

**Carcinogenicity:** Based on available data, the classification criteria are not met.



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**PRODUCT NAME: White Reflective Hot Melt Marking Paint**

<b>Reproductive toxicity:</b>	Based on available data, the classification criteria are not met.
<b>STOT-single exposure:</b>	Based on available data, the classification criteria are not met.
<b>STOT-repeated exposure:</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard:</b>	Based on available data, the classification criteria are not met.

**Section 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity**

CAS No.	Freshwater Fish	Water Flea	Freshwater Algae
471-34-1	LC50: > 56000 mg/L, 96h, Freshwater Fish	-	-
6422-86-2	LC50: > 984 mg/L, 96h, static (Pimephales promelas)	-	-

**12.2 Persistence and degradability**

No data available.

**12.3 Bioaccumulative potential**

CAS No.	Log Pow
6422-86-2	8.39

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**VPvB:** Not applicable.

**12.6 Endocrine disrupting properties**

This product does not contain any known or suspected endocrine disruptors.

**12.7 Other adverse effects**

**Persistent Organic Pollutant:** This product does not contain any known or suspected substance.

**Ozone Depletion Potential:** This product does not contain any known or suspected substance.

**12.8 Additional information**

No data available.

**Section 13: Disposal considerations**

**13.1 Waste treatment methods**

**13.1.1 Product / Packaging disposal:**



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**PRODUCT NAME: White Reflective Hot Melt Marking Paint**

Follow all local, state, and federal regulations for disposal of waste chemicals.

**13.1.2 Waste treatment-relevant information:**

Follow all local, state, and federal regulations for disposal of waste chemicals.

**13.1.3 Sewage disposal-relevant information:**

Follow all local, state, and federal regulations for disposal of waste chemicals.

**13.1.4 Other disposal recommendations:**

No further relevant information available.

**Section 14: Transport information**

**Land Transport**

**14.1 UN number:** Not regulated (Not dangerous goods)

**14.2 UN proper shipping name:** Not regulated (Not dangerous goods)

**14.3 Transport hazard class(es):** Not regulated (Not dangerous goods)

**14.4 Packing group:** Not regulated (Not dangerous goods)

**Remark:** According to ADG (2023 Edition).

**Sea Transport**

**14.1 UN number:** Not regulated (Not dangerous goods)

**14.2 UN proper shipping name:** Not regulated (Not dangerous goods)

**14.3 Transport hazard class(es):** Not regulated (Not dangerous goods)

**14.4 Packing group:** Not regulated (Not dangerous goods)

**Remark:** According to the IMDG Code, 2022 Edition (inc. Amendment 41-22).

**Air Transport**

**14.1 UN number:** Not regulated (Not dangerous goods)

**14.2 UN proper shipping name:** Not regulated (Not dangerous goods)

**14.3 Transport hazard class(es):** Not regulated (Not dangerous goods)

**14.4 Packing group:** Not regulated (Not dangerous goods)

**Remark:** According to IATA DGR (66<sup>th</sup> Edition, 2025).

**14.5 Environmental hazards**

**Marine pollutant:** No

**14.6 Special precautions for user**

No special precautions required.

**14.7 Maritime transport in bulk according to IMO instruments**



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**PRODUCT NAME: White Reflective Hot Melt Marking Paint**

Not applicable, packaged goods.

**14.8 EmS Number**

Not applicable.

**14.9 Transport Labels & Signs**

Not applicable.

**Section 15: Regulatory information**

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

**EU regulations**

- Directive 2009/104/EC – use of work equipment
- Directive 99/92/EC - risks from explosive atmospheres
- Directive 92/58/EEC - safety and/or health signs
- Directive 89/656/EEC - use of personal protective equipment
- Directive 89/654/EEC - workplace requirements

**National regulations**

**SVHC Candidate List of REACH Regulation Annex XIV Authorisation.**

None of the ingredients is listed.

**REACH Regulation Annex XVII Restriction.**

None of the ingredients is listed.

**REACH Regulation Annex XIV Authorization List.**

None of the ingredients is listed.

**15.2 Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

**Section 16: Other information**

**Abbreviations and acronyms**

<b>CLP</b>	Classification, labeling and packaging
<b>REACH</b>	Registration, Evaluation, Authorisation and Restriction of Chemicals
<b>CAS No.</b>	Chemical Abstract Service registry number
<b>EC/List No.</b>	European Community number
<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>IMDG/IMO</b>	International Maritime Code for Dangerous Goods/ International Maritime Organization
<b>IATA</b>	International Air Transport Association
<b>LC50</b>	Lethal concentration, 50 percent.



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**PRODUCT NAME: White Reflective Hot Melt Marking Paint**

<b>LD50</b>	Lethal dose, 50 percent.
<b>EC50</b>	50% effective concentration
<b>BCF</b>	Bioconcentration factor
<b>NOEC</b>	no observed effect concentration
<b>LOEC</b>	Lowest Observed Effect Concentration
<b>OECD</b>	Organisation for Economic Co-operation and Development
<b>IARC</b>	International Agency for Research on Cancer.
<b>STEL</b>	Short Term Exposure Limit
<b>STEL-C</b>	Short Term Exposure Limit - Ceiling value
<b>TWA</b>	Time-weighted average
<b>PBT</b>	Persistent, Bioaccumulative, Toxic
<b>vPvB</b>	very Persistent, very Bioaccumulative
<b>POW</b>	Partition coefficient Octanol:Water

**Full text of H-Statements referred to under sections 2 and 3**

None

**Information on preparation and revision of the SDS**

**Prepared by:** Guangzhou JCT Services Co., Ltd.  
**Initial date of preparation:** Jan. 1, 2025  
**Revision date:** Jan. 1, 2025



**Training advice**

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene. Use of personal protective equipment, covering appropriate selection, compatibility, breakthrough thresholds, care, maintenance, fit and standards. First aid for chemical exposure, including the use of eye wash and safety showers. Fire prevention and fighting, identifying hazards and risks, static electricity, explosive atmospheres posed by vapours and dusts. Chemical incident response training.

The contents and format of the SDS are prepared in accordance with Regulation (EC) No 1907/2006, (EC) No 1272/2008 and (EU) 2020/878.

**DISCLAIMER OF LIABILITY**

The data included was derived from international database and provided by the enterprise. Other information was based



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**PRODUCT NAME: White Reflective Hot Melt Marking Paint**

on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This information is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property 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.

.....  
End of SDS

GUANGDONG BOLE ROAD SIGN TECHNOLOGY CO., LTD. 2025 SDS