

Thermoplastic road marking paint (white)**SAFETY DATA SHEET****SDS****TIANHUA GROUP CO., LTD.**

according to GHS(tenth revised edition)

Section 1 - Product and Company Identification

Product name	Thermoplastic road marking paint (white)
Applicant name	TIANHUA GROUP CO., LTD.
Application address	4TH FLOOR, SOUTH BUILDING 15C, WEST 3RD RING RD, ZHENGZHOU, CHINA
Applicant post code	451100
Applicant fax	+86-13910832929
Applicant emergency number	+86-13910832929
Applicant email	info@tianhuatraffic.com
Manufacturer name	TIANHUA GROUP CO., LTD.
Manufacturer address	4TH FLOOR, SOUTH BUILDING 15C, WEST 3RD RING RD, ZHENGZHOU, CHINA
Manufacturer post code	451100
Manufacturer fax	+86-13910832929
Manufacturer emergency number	+86-13910832929
SDS number	DG2510033E
Effective date	Feb. 18, 2025

Section 2 –Hazards Identification

Hazard class and label elements of the substance according to GHS(the tenth revised edition):

GHS hazard class

Health hazard(s)

Carcinogenicity

category1

Pictogram



Signal

Danger

Hazard statement(s)

H350 May cause cancer

Precautionary statements

Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P308+P313 IF exposed or concerned: Get medical advice/ attention.

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3 – Composition/Information on Ingredients

Component	Concentration(%)	CAS No.	EC No.
Petroleum resin	18	64742-16-1	265-116-8
Glass beads	20	65997-17-3	266-046-0
Calcium carbonate	54	471-34-1	207-439-9
Polyethylene wax	3	9002-88-4	200-815-3
Titanium dioxide	5	1317-80-2	215-282-2

Section 4 – First Aid Measures

After skin contact	Wash off with soap and plenty of water. Consult a physician.
After eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
After ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
After inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Section 5 – Fire Fighting Measures

Hazardous products of combustion	Carbon oxides.
Extinguishing method	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment	Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 – Accidental Release Measure

Personal protective measures	Use personal protective equipment. Avoid dust formation. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
Environmental protective measures	Prevent the spill inflow to a sewer and then place in suitable container.
Methods for taking in and cleaning up	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7 – Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
Storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Section 8 – Exposure Controls/Personal Protection

Engineering Controls	Safety shower and eye bath. Mechanical exhaust required.
Respiratory protection	Use a full-face supplied air respirator.
Eye protection	Wear chemical goggles.
Hand Protection	Wear impervious chemical resistant gloves.
Body protection	Protective work clothing.

Section 9 – Physical and Chemical Properties

Appearance and properties: White powder	Odor: No data available
Odor threshold: No data available	pH value: No data available
Melting point/freezing point(°C): No data available	Initial boiling point and boiling range(°C): No data available
Flash point(°C)(closed cup): No data available	Evaporation Rate: No data available
Flammability: Non flammable	Upper explosive limit%(V/V): No data available
Lower explosive limit%(V/V): No data available	Vapor pressure(MPa): No data available
Vapor density(g/mL): No data available	Relative density(g/cm³): No data available
Solubility: No data available	Octanol / water partition coefficient: No data available
Auto-ignition temperature(°C): No data available	Decomposition temperature(°C): No data available
Kinematic viscosity (mm²/s): No data available	

Section 10 – Stability and Reactivity

Reactive	No data available.
Chemical stability	Stable under the condition recommended.
Possibility of hazardous reactions	No data available.
Avoid conditions	No data available.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No data available.

Section 11 – Toxicological Information

Acute toxicity: No data available.
Skin corrosion/irritation: No data available.
Serious eye damage/eye irritation: No data available.
Respiratory or skin sensitization: No data available.
Germ cell mutagenicity: No data available.
Carcinogenicity: No data available.
Reproductive toxicity: No data available.
Specific target organ toxicity – single exposure: No data available.
Specific target organ toxicity – repeated exposure: No data available.
Aspiration hazard: No data available.

Section 12 – Ecological Information

Toxicity: No data available.
Persistence and degradability: No data available.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.
Other adverse effects: No data available.

Section 13 – Disposal Considerations

Property of waste: Hazardous Waste.
Methods of disposal: Dispose of in a manner consistent with federal, state, and local regulations.

Precautions of disposal: Professional processing together.

Section 14 - Transport Information

According to the criteria of chemical classification settled in «UN Recommendations on the Transport of Dangerous Goods Model Regulations», this substance is not dangerous. IMDG: Not regulated.

Section 15 - Regulatory Information

Component	CHINA	TSCA	ENCS	EINECS
Petroleum resin	√	√	√	√
Glass beads	√	√	√	√
Calcium carbonate	√	√	√	√
Polyethylene wax	√	√	√	√
Titanium dioxide	√	√	√	√

Note 1:

CHINA - China Inventory of Existing Chemical Substances (IECSC)

TSCA - United States Inventory of Toxic Substances Control Act Chemical Substances (TSCA)

ENCS - Japan Existing and New Chemical Substances (ENCS)

EINECS - European Inventory of Existing Commercial Chemical Substances (EINECS)

Note 2:

"√" Indicates that the substance included in the regulations

"-" That no data or included in the regulations

Section 16 - Additional Information

Prepared by: Changzhou Testing Center of Entry-Exit Industrial and Consumable Products

Completion Date: Feb. 18, 2025

Modification statement: Original.

Other information: This Safety Data Sheet (SDS) was prepared according to UN GHS(the tenth revised edition) and the information included is based on the present state of our knowledge. However, the information is provided without any warranty, express or implied, regarding its correctness and is only for users reference. Users should make their independent judgement of suitability of these 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.