

MSDS Report

General description: LVT

Construction Product: vinyl floor

Material Safety Data Sheet

VINYL FLOORING

Section 1 - Chemical Product and Company Identification

Sample Name: LVT**Company Identification:** Taizhou Huali New Materials Co.,Ltd**Address:** Zhangdian Industrial Zone, Jiangyan District, Taizhou City, Jiangsu Province, China.**E-Mail:** chengguanshan@hualifloors.com

Section 2 - Composition, Information on Ingredients

Chemical Name	Percent	CAS NO	EC#
PVC	32.25%	9002-86-2	Unlisted
DOTP	9.91%	6422-86-2	229-176-9
Calcium stearate	0.42%	1592-23-0	216-472-8
Zinc stearate	0.35%	557-05-1	209-151-9
CaCO ₃	56.24%	471-34-1	207-439-9
Carbon black	0.24%	1333-86-4	215-609-5
Polyurethane	0.59%	9009-54-5	210-898-8

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

This product should not present a health hazard when used under reasonable conditions. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance. Exposure to fiber/chips in processing may be irritating to eyes, nose and throat. At elevated temperatures.(e.g.at melt processing temperature or combustion temperature), this product may emit irritating/toxic fumes and vapors.

Taizhou Huali New Materials Co.,Ltd
Zhangdian Industrial Zone, Jiangyan District, Taizhou City, Jiangsu Province, China.

Target Organs: Eye, digestive tract, respiratory tract.

UN Hazard Class: None.

Potential Health Effects:

- **Eye:** No health effects are expected under normal use. Contact with chips/fiber/smoke, may cause eyes discomfort.
- **Skin:** No health effects are expected under normal use. Contact with fiber/chips may cause skin mechanical irritation. If contact with hot material may cause burn.
- **Ingestion:** Ingestion of this material is unlikely. If ingest, may cause digestive tract irritation.
- **Inhalation:** Breathing chips/fiber/fume of this product may cause coughing, dyspnea , wheezing, general irritation of the nose, throat, and upper respiratory tract.

Section 4 - First Aid Measures

Eyes: If chips/fiber/fume contact with eyes, flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Avoid rubbing eyes. Seek medical attention if necessary.

Skin: If contact with hot material, cool the burn area by flushing with large amounts of water. DO NOT attempt to remove anything from the burn area. Cover the burn area loosely with a sterile dressing, if available and seek medical attention.

Inhalation: If inhaled, remove to fresh air. Seek medical aid if cough or other symptoms appear.

Ingestion: Ingestion of this material is unlikely. If it does occur, watch the person for several days to make sure that partial or complete intestinal blockage does not occur.

Section 5 – Fire Fighting Measures

General Information: In case of a fire, oxides of carbon, hydrocarbons, nitrogen oxides, chloride, fumes, and smoke may be generated by thermal decomposition or combustion. As in any fire, wear a self-contained breathing apparatus in pressure-

demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Use extinguishing media most appropriate for the surrounding fire.

Section 6 - Accidental Release Measures

General Information: Ventilate spill area. Minimize dust/fiber generation and accumulation. Do not walk through spilled material. Review Section 5 and Section 7 sections before proceeding with clean-up. Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Remove all sources of ignition. Stop leak if safe to do so. Collect up, and then place into a suitable container for disposal or recycle. Molten product should be allowed to cool and harden before cleanup.

Section 7 - Handling and Storage

General Information: This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. Smoking should be prohibited in areas where this material is stored.

Storage: Store in a cool, dry, well-ventilated area away from source of heat or ignition. Keep away from incompatible substances and moisture. Do not allow product scrap and cuttings to accumulate and maintain clear aisles with adequate access to all storage areas and exits. Inspect regularly for deficiencies such as damage or leaks. Treat carefully, avoid physical damage. The storage area should be equipped with the corresponding species and quantity of fire equipment and leakage emergency equipment.

Handling: Ensure good local exhaust ventilation. Keep away from source of heat or ignition. Keep away from incompatible substances. Avoid generating fiber/chips. Avoid contact with eyes. Avoid ingestion and inhalation. The work area should be equipped with the corresponding species and quantity of fire equipment and leakage emergency equipment.

Section 8 - Exposure Controls, Personal Protection**Exposure Limit:**

CAS NO.	ACGIH(mg/m ³)	NIOSH(mg/m ³)	OSHA(mg/m ³)
9002-86-2	None listed	None listed	None listed
6422-86-2	None listed	None listed	None listed
1592-23-0	TLV-TWA 10 (total)	None listed	None listed
557-05-1	None listed	REL-TWA 10 (total) ; REL-TWA5 (respirable fraction)	PEL-TWA 15 (total) ; PEL-TWA5 (respirable fraction)
471-34-1	TLV-TWA 10 (total)	REL-TWA 10 (total) ; REL-TWA5 (respirable fraction)	PEL-TWA 15 (total) ; PEL-TWA5 (respirable fraction)
1333-86-4	TLV-TWA 3.5 (total)	REL-TWA 3.5 (total)	PEL-TWA 3.5 (total)
9009-54-5	None listed	None listed	None listed

Monitoring Methods: No information found.

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.
Equipped with safety shower and eyes bath.

Personal Protective Equipment:

Eyes: No special requirement under normal use. Use appropriate safety glasses when there is the risk of contact.

Skin and Clothing: No special requirement under normal use. It is recommended to wear appropriate protective gloves and clothing when there is the risk of greater exposure.

Respirators: No special requirement under normal use. An appropriate respirator or mask should be used whenever workplace conditions warrant a respirator's use. A full face positive pressure supplied-air respirator or a self contained breathing apparatus should be used when fire.

Other Protection: To maintain good health habits. Smoking should be prohibited in areas where this material is stored.

Section 9 - Physical and Chemical Properties

Physical State: Solid.

Appearance: Board: One surface is orange, and the other is black.

Odor: Odorless.

Molecular Formula: N/A

Molecular Weight: N/A

PH: N/A

Flash Point: N/A

Boiling Point: N/A

Melting Point: N/A

Relative density (water=1): N/A

Relative density (air=1): N/A

Octanol / water distribution coefficient: N/A

Flash point (°C) : N/A

Viscosity: N/A

Ignition Temperature (°C) : N/A

Explosion Limits [% (V/V)]: N/A

Decomposition Temperature: N/A

Water Solubility: Insoluble in water.

Chemical Uses: Floor.

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal condition.

Conditions to Avoid: Excess heat, any source of ignition, incompatible materials.

Incompatibilities with Other Materials: Strong oxidizing agents, acids, fluorine.

Hazardous Decomposition Products: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, nitrogen oxides,

chloride, fumes, and smoke may be generated by thermal decomposition or combustion.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

Toxicological Information:

CAS No.	RTECS#	LD50/LC50
9002-86-2	KV0350000	No date available.
6422-86-2	WZ0883500	LD50: 5000 mg/kg (Oral, rat)
1592-23-0	WI3000000	No date available.
557-05-1	ZH5200000	No date available.
471-34-1	FF9335000	LD50: 6450 mg/kg (Oral, rat)
1333-86-4	FF5250100	LD50: 2000 mg/kg (Oral, rat)
9009-54-5	TR7875000	No date available.

Carcinogenicity:

CAS No.	ACGIH	IARC	NTP	California Prop 65
9002-86-2	A4	Group 3	Unlisted	Unlisted
6422-86-2	Unlisted	Unlisted	Unlisted	Unlisted
1592-23-0	A4	Unlisted	Unlisted	Unlisted
557-05-1	Unlisted	Unlisted	Unlisted	Unlisted
471-34-1	Unlisted	Unlisted	Unlisted	Unlisted
1333-86-4	A4	Unlisted	Unlisted	Unlisted
9009-54-5	Unlisted	Group 3	Unlisted	Unlisted

Note:

ACGIH: A4-Not classifiable as a human carcinogen.

IARC: Group 3-Not classifiable as to carcinogenicity to humans.

Sensitization Rate:

Composition: CAS# 471-34-1

- Draize test, rabbit, eye: 750 µg/24H Severe
- Draize test, rabbit, skin: 500 mg/24H Moderate

Section 12 - Ecological Information

Ecological Toxicity: Not available.

Ecological Degradation: Not available.

Biology Degradation: Not available.

Section 13 - Disposal Considerations

The generation of waste should be avoided or minimized wherever possible. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Section 14 - Transport Information

Not regulated as a hazardous material for transportation. (TDG; IMDG CODE)

UN: N/A

UN Hazard Class: N/A

Shipping Name: N/A

Packaging Sign: N/A

Packaging Category: N/A

Packaging Information: COLOUR BOX.

Transport Fashion: By sea.

Section 15 - Regulatory Information

Regulatory Information: Reference to the local, national, US, EU, CA and international regulations.

CAS No.	TSCA	DSL/NDSL	OSHA	California Prop 65
9002-86-2	Listed	Listed in DSL	Unlisted	Unlisted

6422-86-2	Listed	Listed in DSL	Unlisted	Unlisted
1592-23-0	Listed	Listed in DSL	Unlisted	Unlisted
557-05-1	Listed	Unlisted	Unlisted	Unlisted
471-34-1	Listed	Listed in DSL	Unlisted	Unlisted
1333-86-4	Listed	Unlisted	Unlisted	Unlisted
9009-54-5	Listed	Unlisted	Unlisted	Unlisted

European Labeling in Accordance with EC Directives:

Hazard Symbols: None.

Risk Description: None.

Safety Description: None.

Section 16 - Additional Information

Issue Time: 2025-07-20

Issue Department: Technical department

Data review unit:

Modification record:

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user.

All materials may present unknown hazards and should be used with caution.

Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Other Information:

ACGIH: (American Conference of Governmental Industrial Hygienists) ; CAS:

(Chemical Abstracts Service) ; DSL: (the Domestic Substances List of

Canada) ; EC: (European Commission) ; IARC: (International Agency for

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Zhangdian Industrial Zone, Jiangyan District, Taizhou City, Jiangsu Province, China.

Research on Cancer) ; IATA: (International Air Transport Association) ; IECSC: (Inventory of Existing Chemical Substances in China) ; IMDG: (International Maritime Dangerous Goods) ; LD50: (Lethal dose, 50 percent kill) ; NDSL: (the Non-domestic Substances List of Canada) ; NIOSH: (US National Institute for Occupational Safety and Health) ; NTP: (US National Toxicology Program) ; OSHA: (US Occupational Safety and Health) ; PEL: (Permissible Exposure Level); REL: (Recommended Exposure Limit) ; RTECS: (Registry of Toxic Effects of Chemical Substances) ; STEL: (Short Term Exposure Limit) ; TDG: (Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations) ; TSCA: (Toxic Substances Control Act of USA) ; TWA: (Time Weighted Average) ; TLV: (Threshold Limit Value) .