

# MSDS Report

**General description:** Vinyl Floors

**Construction Product:** Rigid Core Vinyl Flooring (with 1.0mmIXPE )

## Material Safety Data Sheet

Rigid Core Vinyl Flooring

### Section 1 - Chemical Product and Company Identification

**Sample Name:** Rigid Core Vinyl Flooring with 1.0mmIXPE (6.5mm-8.0mm)

**Company Identification:** HUALI GROUP

**Address:** /

**E-Mail:** [chengquanshan@hualifloors.com](mailto:chengquanshan@hualifloors.com)

### Section 2 - Composition, Information on Ingredients

Chemical Name	Percent	CAS NO	EC#
PVC	39.19%	9002-86-2	Not listed
DOTP	4.50%	6422-86-2	229-176-9
Calcium stearate	1.00%	1592-23-0	216-472-8
Zinc stearate	1.00%	557-05-1	209-151-9
CaCO <sub>3</sub>	47.25%	471-34-1	207-439-9
Azodicarbonamide	0.08%	123-77-3	204-650-8
Sodium bicarbonate	0.18%	144-55-8	205-633-8
Polyethylene	1.30%	9002-88-4	Not listed
Polyurethane	1.76%	9009-54-5	210-898-8
stearyl alcohol	0.27%	112-92-5	Not listed
Butyl acrylate-methyl methacrylate polymers	3.43%	25852-37-3	613-688-8
Carbon black	0.03%	1333-86-4	215-609-5
Zinc pyrithione	0.01%	13463-41-7	236-671-3

### 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.

**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 <sup>3</sup> )	NIOSH(mg/m <sup>3</sup> )	OSHA(mg/m <sup>3</sup> )
9002-86-2	Not listed	Not listed	Not listed
6422-86-2	Not listed	Not listed	Not listed
1592-23-0	TLV-TWA 10 (total)	Not listed	Not listed
557-05-1	Not 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)
123-77-3	Not listed	Not listed	Not listed
144-55-8	Not listed	Not listed	Not listed
9002-88-4	Not listed	Not listed	Not listed
9009-54-5	Not listed	Not listed	Not listed
112-92-5	Not listed	Not listed	Not listed
25852-37-3	Not listed	Not listed	Not listed
1333-86-4	TLV-TWA 3.5 (total)	REL-TWA 3.5 (total)	PEL-TWA 3.5 (total)
13463-41-7	Not listed	Not listed	Not 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 gray, 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)
123-77-3	LQ1040000	LD50: >6450 mg/kg (Oral, rat)
144-55-8	VZ0950000	LD50: 4220 mg/kg (Oral, rat)
9002-88-4	TQ3325000	No date available.
9009-54-5	TR7875000	No date available.
112-92-5	RG2010000	LD50: >5000 mg/kg (Oral, rat)
25852-37-3	UD3428000	LD50: >5000 mg/kg (Oral, rat)
1333-86-4	FF5250100	LD50: 2000 mg/kg (Oral, rat)
13463-41-7	-	LD50: 334 mg/kg (rat)

### Carcinogenicity:

CAS No.	ACGIH	IARC	NTP	California Prop 65
9002-86-2	A4	Group 3	Not listed	Not listed
6422-86-2	Not listed	Not listed	Not listed	Not listed
1592-23-0	A4	Not listed	Not listed	Not listed

557-05-1	Not listed	Not listed	Not listed	Not listed
471-34-1	Not listed	Not listed	Not listed	Not listed
123-77-3	Not listed	Not listed	Not listed	Not listed
144-55-8	Not listed	Not listed	Not listed	Not listed
9002-88-4	Not listed	Group 3	Not listed	Not listed
9009-54-5	Not listed	Group 3	Not listed	Not listed
112-92-5	Not listed	Not listed	Not listed	Not listed
25852-37-3	Listed	Not listed	Not listed	Not listed
1333-86-4	A4	Not listed	Not listed	Not listed
13463-41-7	Not listed	Not listed	Not listed	Not listed

**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	Not listed	Listed in DSL	Not listed	Not listed
6422-86-2	Listed	Listed in DSL	Not listed	Not listed
1592-23-0	Listed	Listed in DSL	Not listed	Not listed
557-05-1	Listed	Not listed	Not listed	Not listed
471-34-1	Listed	Listed in DSL	Not listed	Not listed
123-77-3	Listed	Listed in DSL	Not listed	Not listed
144-55-8	Listed	Not listed	Not listed	Not listed
9002-88-4	Listed	Listed in DSL	Not listed	Not listed
9009-54-5	Not listed	Not listed	Not listed	Not listed
112-92-5	Listed	Listed in DSL	Not listed	Not listed
25852-37-3	Listed	Not listed	Not listed	Not listed
1333-86-4	Listed	Listed in DSL	Not listed	Not listed
13463-41-7	Listed	Not listed	Not listed	Not listed

### European Labeling in Accordance with EC Directives:

**Hazard Symbols:** None.

**Risk Description:** None.

**Safety Description:** None.

## Section 16 - Additional Information

**Issue Time:** 2025-07-10

**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 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) .