

## Material Safety Data Sheet

### 1 Identification of the substance/preparation and of the company/undertaking

**. Product details**

**. Trade name:** Expanded Plastic Composite /EPC flooring

**. Manufacturer/Supplier:** Zhejiang Kingdom New Material Group Co., Ltd.

No. 38, Desheng Road, Heshan Industrial Park, Heshan Town, Tongxiang City, Zhejiang Province, China

**. Further information obtainable from:** Zhejiang Kingdom New Material Group Co., Ltd.

**. Information in case of emergency:** Zhejiang Kingdom New Material Group Co., Ltd.

No. 38, Desheng Road, Heshan Industrial Park, Heshan Town, Tongxiang City, Zhejiang Province, China

**Tel:** 86-573-89383298

### 2 Hazards identification

**. Classification of the substance or mixture**

**. Classification according to EU Directives 1272/2008/EC**

This product is not classified as dangerous according to EC criteria.

**. Label elements**

**. Labelling according to EC Directives**

This product is not classified as dangerous according to EC criteria.

### 3 Composition/information on ingredients

**. Chemical characterization:** Under normal conditions of use and handling, this product is not expected to create any health or safety hazards.

**. Description:** Mixture of substances listed below with additions.

Product Name:		CAS Number	Approximate(%)by Wt.Or Vol.
Base Layer	PVC	9002-86-2	25-35%
	DOTP	6422-86-2	1-2%
	CaCO3	471-34-1	45-55%
	Calcium-Zinc Stearate	1592-23-0	1-2%
	Polyethylene Wax	9002-88-4	0.1-0.2%
	foaming agent	---	0.2-0.5%
	Oxidized wax	---	0.2-0.4%
	carbon black	1333-86-4	0.01-0.02%
Warelayer (PVC)		9002-86-2	4-6%
Printing Film (PVC)		9002-86-2	0.5-1%
UV coating		---	0.1-0.2%
cork		61789-98-8	3-8%

Polyurethane Reactive

67700-43-0

0.3-0.8%

#### 4 First aid measures

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

- Eye Contact:* Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.
- Skin Contact:* If irritation occurs, flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.
- Ingestion:* Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Get medical aid if irritation or symptoms occur.
- Inhalation:* Not Applicable
- Medical conditions aggravated by exposure:* No medical conditions are known to be aggravated by these products.
- Recommendations to physicians:* Not Applicable

#### 5 Fire-fighting measures

*General Information:* As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Non-combustible, substance itself does not burn but may decompose upon heating to produce irritating, corrosive and/or toxic fumes.

- . Flammable class:* Not determined
- . Suitable extinguishing media:* Water, CO<sub>2</sub>, Dry Chemicals, Foam-Fog
- . Fire/Explosion Hazards:* Negligible fire hazard when exposed to heat or flame.
- . Fire Fighting Procedure:* Wear self contained breathing apparatus meeting NIOSH standards.
- . Other information:* Wear self-contained breathing apparatus and complete personal protective equipment when potential for exposure to products of combustion exists.

#### 6 Accidental release measures

- . Small Spill:* Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
- . Large Spill:* Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

#### 7 Handling and storage

*The regulations relating to storage remises apply to workshop where the product is handled:*

- . Handling:* Apply good manufacturing practice & industrial hygiene practices. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Wear protective goggles and gloves when handling material. Clean cloths must be worn. Observe all warnings and precautions listed for the product.

**. Storage:** Store in tightly closed original container, in a cool & dry area away from heat sources & protected from light. Avoid dust formation and control ignition sources. Keep air contact to a minimum.

**. Further information about storage condition:** None.

## 8 Exposure controls/personal protection

**. Ventilation and Engineering controls:**

No special ventilation and engineering controls are required for handling of these products.

**. Respiratory Protection:**

No special respiratory protection is required for use of these products. If respiratory protection is needed, use only protection authorized in the U.S. Federal OSHS Standard, applicable U.S. State regulations, or the Canadian CSA standard.

**. Body Protection:**

No special protective clothing is required.

**. Protective Gloves:**



Protective Gloves

Rubber or plastic acid-resistant gloves with elbow-length gauntlet.

**.Eye Protection:**



Tightly sealed goggles

Chemical goggles or face shield.

## 9 Physical and chemical properties

<b>.General Information</b>	
<b>.Form:</b>	Solid
<b>.Color:</b>	color
<b>.Odor:</b>	Odor
<b>.Change in condition</b>	
<b>.Melting point/Melting range:</b>	Not available
<b>.Boiling point/Boiling range:</b>	Not available
<b>.Flash point:</b>	Not available
<b>.Self-igniting:</b>	Product is not self-igniting
<b>.Danger of explosion:</b>	Not available
<b>.Density:</b>	Not available
<b>.Relative density:</b>	Not available
<b>.Vapor density:</b>	Not available

<b>.Evaporation rate</b>	Not available
<b>.Solubility in/Miscibility with Water:</b>	Not miscible or difficult to mix
<b>.PH-Value:</b>	Not available
<b>.Viscosity: Dynamic:</b>	Not available

### 10 Stability and reactivity

- . **Chemical Stability:** Stable under normal temperatures and pressures.
- . **Decomposition Products:** Products of thermal decomposition can include produce related gases (e.g. carbon oxides, and various hydrocarbons). Refer to the NFPA manual for more specific information.
- . **Materials with which substance is incompatible:** None known.
- . **Hazardous Polymerizations:** Will not occur.
- . **Conditions to Avoid:** Avoid exposure or contact to extreme temperatures, incompatible chemicals.

### 11 Toxicological information

- . **Toxicity to Animals:**  
LD50: Not available.  
LC50: Not available.
- . **Chronic Effects on Humans: CARCINOGENIC EFFECTS:** Classified NONE by NTP, NONE by OSHA. 3 (Not classifiable for human.) by IARC.
- . **Other Toxic Effects on Humans:** None
- . **on the skin:** Irritant to skin and mucous membranes if soluble
- . **on the eye:** Sensitizing effects known.
- . **Carcinogenicity:** None Determine.
- . **Mutagenicity:** None Determine.
- . **Teratogenicity:** None Determine

### 12 Ecological information

- . **Instability:** Not applicable.
- . **Persistence/Degradability:** Like plastic in the long term.
- . **Environmental Precautions:** It must be disposed of by incineration or in an authorized waste deposit.

### 13 Disposal considerations

- 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.
- . **Waste Disposal Methods:** Disposal must be done as territory and /or local government regulations. Waste management information will help to receive the best results.
  - . **Disposal of packaging:** Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment

**14 Transport information**

- . **DOT Classification:** Not a DOT controlled material (United States).
- . **Identification:** Not applicable.
- . **Special Provisions for Transport:** Not applicable.
- . **Marine Pollutant:** Not applicable

**15 Regulatory information**

- . **Sara reporting requirements:** Not applicable as an article. The components of these products do not have requirements as pure compounds; if dusts from the product are produced, SARA requirements may be applicable.
- . **Sara threshold planning quantity:** There are no specific threshold planning quantities for the components of these products. None of the ingredients is listed.
- . **TSCA (Toxic substances Control ACT):** There are articles and are not subject to the requirements of TSCA.
- . **California Safe drinking water and toxic enforcement act (Proposition 65):** No component of these products is on the proposition 65 lists.

**16 Other information**

**The contents and format of this MSDS/SDS are in accordance with REGULATION (EC) No 1907/2006 and Regulation (EU) 2021/2030, REGULATION (EC) No 1272/2008.**

**DISCLAIMER OF LIABILITY**

The information in this MSDS/SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handing, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may be applicable.

**End of document**

\*\*\*\*\*The End\*\*\*\*\*