



Material Safety Data Sheet

1 Identification of the substance/preparation and of the company

.Product details:

.Product name: Urinal Deodorizing Wave Mat

.Application of the substance: Used for deodorizing and filtering purpose.

.Manufacturer/Supplier: TAIZHOU HUANGYAN BIGGIE COMMODITY CO., LTD.
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2 Composition/information on ingredients

| Hazardous Ingredient (s) | | |
|---|------------------------------|-------|
| None. | | |
| Non-Hazardous Ingredient (s) | | |
| CAS: 9002-86-2 EINECS: -- | Ethylene vinyl acetate (EVA) | 69.5% |
| CAS: -- EINECS: -- (Trade secret) | Fragrance (Mango Scent) | 30% |
| CAS: -- EINECS:-- (Trade secret) | Pigment | 0.5% |

Note: As for the PVC listed above, it is a kind of environment-friendly food-grade material.

3 Hazards identification

.Potential Health Effects:

.Acute Effects:

.Inhalation: Under normal conditions of use and handling, no inhalation hazard is present.

.Ingestion: No hazard is present as it's impossible to swallow it under normal use and handling.

.Contact with Eyes: No hazard is present under normal use. Vapor or fume from burning or heating may cause slight irritation to eyes.

.Contact with Skin: No hazard is present for normal use.



- .**Effects of Overexposure - Chronic:** None.
- .**Carcinogenicity:** Not found.
- .**Sensitivity:** Not found.
- .**Carcinogenicity:** Not listed as a carcinogen by IARC, NTP or OSHA.
- .**Other Information:** Not applicable.

4 First aid measures

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

- .**Inhalation:** If any adverse effect occurs as a result of inhalation of fumes from thermal decomposition or dust from processing, remove individual to fresh air.
- .**Eye Contact:** If dust or fume from processing or thermal decomposition enters eyes, immediately raise eyelids and flush with lukewarm water for several minutes. If things don't get better, seek medical attention.
- .**Skin Contact:** No adverse effects anticipated by this route of exposure.
- .**Ingestion:** No adverse effects anticipated by this route of exposure.
- .**Medical conditions aggravated by exposure:** No medical conditions are known to be aggravated by this product.
- .**Recommendations to physicians:** Treat according to symptoms.

5 Fire-fighting measures

- .**Flash point:** Not applicable
- .**Flammable/Explosive Limits-Lower Vol %:** N/A
- .**Flammable/Explosive Limits-Upper Vol %:** N/A
- .**Extinguishing Media:** Dry chemical powder for small fire; Water spray, or alcohol resistant foam for large fire.
- .**Special Firefighting Procedures:** Firefighters and others exposed to vapors from combustion should wear self-contained breathing apparatus. Evacuate unprotected personnel. Wear protective clothing.
- .**Unusual Fire and Explosion Hazards:** In case of fire, oxides of carbon, fume and some hydrogen chloride can be produced.

6 Accidental release measures

- .**Release Response:** Due to the nature of this product, no special accidental release measures are normally requirement. Uncontrolled release involving other materials released near this product should be responded to by appropriately trained personnel using preplanned procedures.
- .**Measures for environmental protection:**
 - Do not allow product to reach sewage system or any water course.
 - Do not throw it away anywhere at random.



7 Handling and storage

.Handling: Do not breathe dust that may be evolved during processing. Workers must wear proper protective equipments and must operate strictly according to relative rules.

.Information about fire- and explosion protection:

Keep ignition sources away-Do not smoke.

.Storage:

.Requirements to be met by storerooms and receptacles: Store it in a well-ventilated, cool and dry store room and store away from incompatible substances (e.g. Strong acids, organic solvents, etc.).

.Conditions to be avoided: Heat, spark and open flame.

.Further information about storage condition: None.

8 Exposure controls/personal protection

.Workplace Exposure Limit (ACGIH)

| Ingredient (s) | Long-term (8-hour) ppm mg.m ⁻³ | Short-term (15-minute) ppm mg.m ⁻³ |
|-------------------------------------|--|---|
| Polyvinyl chloride (CAS: 9002-86-2) | 10 mg.m ⁻³ (inhalable dust) | -- |

.Ventilation and Engineering controls:

No special ventilation and engineering controls are required for handling of this product.

.Personal Protection (for workers):

.Respiratory Protection:

If respiratory protection is needed when in dust atmospheres, please use protection authorized in the U.S. Federal NIOSH Standard, applicable U.S. State regulations, or the Canadian CSA standard.

.Body Protection:

Wear uniforms for hygienic purpose.

.Protective Gloves:



Wear appropriate gloves for hygienic purpose.

.Eye Protection: No specific requirement for this product.

.General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with eyes.

.Material of Gloves:

The selection of suitable gloves not only depends on the material, but also on quality which will vary from manufacturer to manufacturer.



9 Physical and chemical properties

| | |
|---|---|
| .General Information | |
| Form: | Solid |
| Color: | Orange |
| Odor: | Mango odor |
| .Change in condition | |
| .Melting point/Melting range: | 212°C(Polyvinyl chloride) |
| Boiling point/Boiling range: | Not applicable |
| .Flash point: | Not applicable |
| .Ignition Temperature: | Not applicable |
| .Self-Igniting: | This product is not self-igniting. |
| .Flammable/Explosive Limits-Lower Vol %: | N/A |
| .Flammable/Explosive Limits-Upper Vol %: | N/A |
| .Relative Density: | approx. 1.38 g/cm ³ (water=1) |
| .Vapor pressure: | Not available |
| .Evaporation rate | Not available |
| .Solubility in/Miscibility with Water: | Not soluble in water, but soluble in organic solvents (e.g. Aether, ketone and aromatic hydrocarbon). |
| .PH-Value: | Not available |
| .Viscosity: | Not applicable |
| .Volatility: | Not available |

10 Stability and reactivity

- .Chemical Stability:** Stable under normal conditions.
- .Materials with which should be avoided:** Organic solvents.
- .Hazardous polymerizations:** It will not occur.
- .Dangerous products of decomposition:** In case of fire, oxides of carbon, fume and some hydrogen chloride can be produced.
- .Conditions to Avoid:** Avoid exposure or contact to extreme temperatures.

11 Toxicological information

- .Product Toxicity Data:** This product is minimally toxic. No relevant LD 50 data.
- .Irritation:**
- .Inhalation:** Under normal conditions of use and handling, no inhalation hazard is present.
- .Ingestion:** No hazard is present as it's impossible to swallow it under normal use and handling. In case of intended ingestion, it may cause constipation.
- .Contact with Eyes:** No hazard is present under normal use. Vapor or fume from burning or heating may cause slight irritation to eyes.
- .Contact with Skin:** No hazard is present for normal use.



.Effects of Overexposure - Chronic: None.

.Sensitivity: Not found.

.Carcinogenicity: Not listed as a carcinogen by IARC, NTP or OSHA.

.Teratogenicity: Not found.

.Mutagenicity: Not found.

.Additional Toxicological Information:

To the best of our knowledge, the acute and chronic toxicity of this substance is not fully known.

No classification data on carcinogenic properties of this material is available from EPA, IARC, NTP, OSHA or ACGIH.

12 Ecological information

.Eco-toxical effects: Not expected to be acutely toxic.

.Effect on plants or animals: This product is not anticipated to cause harm to plants and animals under normal use and handling.

.Effect on aquatic life: As this product is hard to decompose, it causes solid contamination to aquatic environment.

13 Disposal considerations

.Waste Disposal Methods:

Do Not allow it to enter sewage system or it will cause block.

Do Not allow it to enter any water cause or soil as it's difficult for it to decompose.

When no longer needed, this article may be disposed of as permitted by local waster handling authority.

Recommend sending the thrown away products to a licensed, permitted recycler, re-claimer, incinerator or other thermal destruction devices.

14 Transport information

.DOT Classification (49 CFR 172.101) for Bulk Shipments (non bulk shipments may differ): Not a DOT controlled material.

.Hazard class number and description:

.Packing Group: Not regulated.

.UN Identification: Not regulated.

.ICAO/IATA Class: Not controlled under IATA.

.IMDG Class: Not controlled under IMDG.

.ADR/RID Class: Not controlled under ADR (Europe)

.TGD Class: Not controlled under TDG (Canada)

.Attention:

Check whether the package is completed or sealed before transporting; make sure there are no damage and no falling down of packages during transporting; the transport vehicle should be equipped with fire-fighting equipments and emergency facilities for handling with release; do NOT transport this product together with



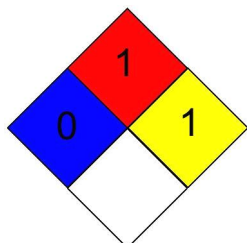
incompatible substances; stay away from fire and areas of high temperature during stopovers.

15 Regulatory information

.DSCL(EEC): This product is not classified according to the EU regulations.

.TSCA 8 (b) Inventory Status: All components are listed on the TSCA Inventory.

.NFPA rating (scale 0 - 4)



Health = 0; Fire = 1; Reactivity = 1

.HMIS rating (scale 0-4)

| | |
|------------------------------------|---|
| Health | 1 |
| Flammability | 1 |
| Reactivity | 1 |
| Hazard Rating: | |
| Least Slight Moderate High Extreme | |
| 0 | 1 |
| 2 | 3 |
| 4 | |

Health = 1; Flammability = 1; Reactivity = 1

16 Other information

DISCLAIMER: Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

.Department issuing MSDS: TAIZHOU HUANGYAN BIGGIE COMMODITY CO., LTD.

.Emergency Telephone Number: +86-189-5760-2333

. Emergency Contact: ADAM DAI

*****The End*****