

MATERIAL SAFETY DATA SHEET

Date of Issue : 7th. September. 2015

01. Product and Company Identification

- Product Name : HANWHA EXTERIOR DÉCOR SHEET
- Company : HANWHA L&C CORPORATION
8F, Center 1,26, Eulji-Ro 5-Gil, Jung-Gu, Seoul, 100-210, Korea
TEL : 82-2-6364-7715
FAX : 82-2-6364-7709

02. Composition/Information on Ingredients

Components	% By Weight	CAS Number
1) Polyvinyl Chloride Resin	60 ~ 70%	▷ 9002-86-2
2) Plasticizer	10 ~ 20%	▷ Trade Secret
3) Complex Stabilizer & Additives	1 ~ 5%	▷ Trade Secret
4) Impact Modification	1 ~ 5%	▷ Trade Secret
5) Pigments	2 ~ 5%	▷ Trade Secret
6) Others(Acrylic Polymer etc.)	20 ~ 30%	▷ Trade Secret

Typical composition is given like above, and it may vary. A certificate of analysis can be provided.

03. Hazards Identification

- Threshold Limit Value : N.A
- Effects of overexposure : N.A (at normal temperatures)
- Hazardous fumes are generated by combustion or high temperature decomposition (170°C ↑).
if exposed to fumes, PVC & MMA cause irritation of skin, eye, and sensitization of respiratory system and skin.

04. First aid Measures

No special measures required. This products have no significant toxic hazard.

05. Fire Hazard Data

- Flammability Classification : None
- Special Fire Fighting Procedures : None
- Flash Point : N.A

06. Accidental Release Measures

N.A

07. Storage and Handling

- Storage : Store in a cool, dry place from direct sunlight.
Keep away from ignition sources.

08. Exposure Hazard Data

- Flammability Classification : None
- Unusual Explosion Hazard : Not Known
- Flash Point : N.A

09. Physical and Chemical Characteristics

- Appearance as delivered :
 - Color : As requested by customer
 - Odor : Negligible odor
 - Physical condition : Sheet state
- Water solubility : Practically insoluble
- Boiling Point : N.A
- Physical change melt temperature : Not Known
- Vapor pressure(mmHg) : N.A
- Vapor density(Air =1) : N.A
- Specific gravity(H₂O =1) : 1.2~1.4

10. Stability and Reactivity

- Stability : Stable under normal conditions.
- Conditions to avoid : Avoid contacting with acids (e.g., MEK, Acetone, etc)
- Incompatibility(Materials to avoid) : Avoid contacting with acids (e.g., MEK, Acetone, etc)
- Hazardous decomposition product : HCL(Hydrogen Chloride), CO, CO₂
- Hazardous polymerization : Will not occur

11. Toxicological Information

Non Toxic

12. Ecological Information

Non bio-degradable. When properly handled and used in accordance with guidelines, our experience suggests there no negative effects to be expected upon the environment.

13. Disposal Considerations

Waste should be disposed of in a place certified to accept such materials in accordance with federal, state, and local regulations.

14. Transportation Information

Products are not classified for any mode of transportation.

15. Regulatory Information

The components of this product are all on the TSCA/ECL inventory list.

16. Other Information

None (For industrial use only)