

Material Safety Data Sheet

Version 3.0

Revision Date: 18/05/2017

This document is for information only, provided voluntarily and not subsequent to regulatory requirement

1. Product and Company Identification

A) Product Name: HANEX SOLID SURFACES

B) Recommended use of the chemical and restrictions on use:
Interior finishing materials (Kitchen Surfaces, Counter Surfaces, Inner wall finishing)

C) Manufacturer/Supplier/Distributor Information

- Name: Hanwha L&C Corporation

- Address

1) H.Q: 7F, CENTER1 Bldg, 26, Uljiro 5-gil, jung-gu, Seoul, Korea (Tel. +82-2-6364-7838)

2) Plant: #37 Bukanggeumho-ro, Bukang-myun, Sejong, Korea (Tel. +82-44-279-8373)

2. Hazards Identification

A) Hazard Risk Classification: N/A

B) Label elements including precautionary statements

Symbol: N/A

Signal Word: N/A

Hazard Risk Statement: N/A

Precautionary Statement: N/A

C) Other Hazard Risk which is not included in the classification criteria (NFPA)

Health: 1

Fire: 1

Reactivity: 0

3. Composition/Information on Ingredients

Chemical Name	Other Name	CAS No.	Content (%)
Poly Methyl Methacrylate	-	9011-14-7	10
Aluminium Trihydrate	-	21645-51-2	60
Methyl Methacrylate	-	80-62-6	25
Copolymer Colorants	Toner	-	< 5

※ Hanex is produced through the chemical combination of under ingredients, and the individual possibility for bareness of each ingredient is rare.

4. First Aid Measures

- A) Eye contact: Wash with large amounts of water until no evidence of chemical remains (at least 15-20 minutes).
Get medical attention, if needed
- B) Skin contact: Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains
- C) Ingestion: If vomiting occurs, keep head lower than hips to help prevent aspiration.
Get medical attention, if needed

5. Fire-Fighting Measures

- A) Flammable properties: "HANEX" can be combusted only with difficulty
- B) Extinguishing media: Water, Dry chemical, CO2
- C) Hazardous gases/vapors produced in fire are carbon monoxide, methyl methacrylate, aldehydes
- D) Fire fighting instructions
 - 1) Wear self-contained breathing apparatus
 - 2) Keep personnel removed and upwind of fire

6. Accidental Release Measures

- A) Safeguard (Personnel): Use appropriate personal protective during clean up
- B) Spill cleanup: Recover undamaged and minimally contaminated material for reuse and reclamation

7. Handling and Storage

- A) Handling (Personnel):
 - Avoid breathing dust.
 - Avoid breathing fumes generated during sawing, routing or drilling
- B) Storage: Store in a dry and cool place

8. Exposure Controls and Personal Protection

- A) Chemical exposure standard, biological exposure standard: No information is available
- B) Engineering controls (ventilation):
 - Use ventilation that is adequate to keep employee exposure to air borne concentration below exposure limits
- C) Personal protection
 - Protective equipment: Eye/Face Protection
 - Wear safety glasses during operations such as sawing, sanding, drilling or routing
 - Use safety gloves, earplug and safety shoes

9. Physical and Chemical Properties:

- A) Appearance: A board
- B) Smell: Nothing
- C) pH: N/A
- D) Melting Point/Freezing point: N/A
- E) Boiling point and range: N/A
- F) Specific Gravity: 1.6 ~ 1.8
- G) Vapor Pressure: N/A
- H) Vapor Density: N/A
- I) Solubility: Insolubility
- J) Odor Threshold: N/A
- K) Evaporation rate: N/A
- L) Explosive: N/A

10. Stability and Reactivity

- A) Pyrolysate: Acrylate vapor release because of frictional heat(Saw)
- B) Toxic decomposition product: CO, Acrylate monomers, smog
- C) Toxic reaction: N/A
- D) Other information: In the presence of an ignition source is a potential dust explosion hazard
 - 1) Breath equipment: Use breathing equipment when it's poorly ventilated
 - 2) Safety gloves: Use safety gloves
 - 3) Personal protection: Use earplug and safety shoes

11. Toxicological Information

- A) Possible exposed path
 - 1) Acute breathe toxic: Yes (Dust)
 - 2) Acute oral toxic: No
 - 3) Skin contact: Yes
 - 4) Eye contact: Yes
- B) Physical, chemical and toxicological symptom: No information is available
- C) Influence by short-term and Long-term exposure
 - 1) Acute toxic

- Oral: N/A
- Skin: N/A
- Inhalation: Inhalation irritant caused by heated acrylate vapor

- 2) Skin: Skin irritant caused by heated acrylate vapor
- 3) Eye: Eye irritant caused by heated acrylate vapor
- 4) Inhalation irritant: No information is available
- 5) Skin irritable substance: No information is available
- 6) Carcinogenic substance
 - IARC: 3 (non-classified)
 - ACGIH: non-classified
- 7) Reproductive substance: No information is available
- 8) Organ, whole body toxic substance (once exposure): No information is available
- 9) Organ, whole body toxic substance (repeated exposure): No information is available

12. Ecological Information

- A) Biodegradation: N/A
- B) Bioaccumulation: N/A
- C) Aquatic Toxicity: N/A

13. Disposal Considerations

- A) Dispose in accordance with federal, state and local regulation.
- B) The owner of the material is responsible for proper waste disposal
- C) Caution: Use breathing equipment to avoid breathing dust

14. Transport Information

- A) Product is not classified for any mode of transportation
- B) Caution: Flat-Pallet Stacking

15. Regulatory Information

- A) Not classified as hazardous according to criteria of occupation safety and health acts
- B) Not classified as hazardous according to criteria of toxic chemicals control act
- C) National regulatory information
 - 1) USA regulation: TSCA registration
 - 2) Maleficence: N/A

16. Other Information

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. The information given is intended only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

It is the exclusive responsibility of the recipient of our product to find out the applicable laws and regulations prior to using the product and to comply with them in all respects. Please note that applicable national and international laws and regulations may change and it is the responsibility of the recipient to follow such changes.

This information is based on technical information deemed reliable and is subject to revision as additional information is made available.