

HANWHA LIVING & CREATIVE CORPORATION “HANEX” ACRYLIC SOLID SURFACE MATERIAL

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATERIAL IDENTIFICATION

HANEX (HANEX is a registered trademark of HANWHA L&C CORP.)

COMPANY IDENTIFICATION

MANUFACTURER:

HANWHA LIVING & CREATIVE CORP.
HANWHA Bldg., 1 Changgyo-dong, Chung-gu, Seoul, Korea

CONTACT DETAILS FOR INFORMATION:

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2. COMPOSITION AND INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>CAS</u>	<u>%</u>
POLYMETHYLMETHACRYLATE	8011-14-7	>30
ALUMINA TRIHYDRATE	21645-51-2	<70
METHYLMETHACRYLATE (Degradation product)	80-62-6	<1

Heated above 300 °C, “HANEX” can release

3. FIRE-FIGHTING MEASURES AND EXPLOSION HAZARD

FLAMMABLE PROPERTIES:

“HANEX” can be combusted only with difficulty.
Hazardous gases/vapor products from fire are carbon monoxide, methyl methacrylate, aldehydes

EXTINGUISHING MEDIA

Water, Dry chemical, CO2

FIRE FIGHTING INSTRUCTIONS

Keep personnel removed and upwind of fire.
Wear self-contained breathing apparatus.

4. ACCIDENTAL RELEASE MEASURES

SAFEGUARD (PERSONNEL):

NOTE : Review FIRE FIGHTING MEASURES and HANDLING(PERSONNEL) sections before proceeding with clean-up.

Use appropriate PERSONAL PROTECTIVE during clean up.

SPILL CLEAN UP:

Recover undamaged and minimally contaminated material for reuse and reclamation.

5. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Avoid breathing dust.
Avoid breathing fumes generated during sawing, routing or drilling.

HANDLING (PHYSICAL ASPECTS):

Avoid dust generation.

STORAGE:

Store in a cool place.

6. EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS (VENTILATION):

Use ventilation that is adequate to keep employee exposure to air borne concentration below exposure limits.

PERSONAL PROTECTION

Protective equipment: EYE/FACE PROTECTION
Wear safety glasses during operations such as sawing, sanding, drilling or routing.

7. TOXICOLOGICAL INFORMATION

SKIN / EYE IRRITANT:

POLYMETHYLMETHACRYLATE

The compound is not a skin or eye irritant and is not a skin sensitizer in animals. Single or repeated ingestion produced mild degenerative changes of liver and kidney.

METHYL METHACRYLATE

The compound is a skin irritant, is a moderate eye irritant, and is a skin sensitizer in animals.

ALUMINA TRIHYDRATEYLATE

The compound is untested for skin and eye irritant, and is untested for animal sensitization.

ACUTE TOXICITY (LC50):

POLYMETHYLMETHACRYLATE: >2MG/1, 4hr LC50(Inhalation/Rat)

METHYL METHACRYLATE: 7093PPM/4hr LC50(Inhalation/Rat)

ACUTE TOXICITY (LD50):

POLYMETHYLMETHACRYLATE: >2000mg/kg, 4hr LD50(Oral/Cat)

METHYL METHACRYLATE: 7900PPM/4hr LD50(Oral/Cat)

8. ECOLOGICAL INFORMATION

BIODEGRADATION:

No information is available

BIOACCUMULTION:

No information is available

AQUATIC TOXICITY:

No information is available

9. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local regulation.
The owner of the material is responsible for proper waste disposal.

10. 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.

Responsibility for MSDS : "HANEX" products

END OF MSDS