

HI-MACS[®]

Material safety Data Sheet

1. Chemical Product & Manufacturer's Information

a. Chemical Product Name

HI-MACS

b. Usage

Counter tops and other solid surface applications

c. Manufacturer

LG HAUSTS. LTD (Cheong-ju Plant)

150, SONG GEONG DONG, HEUNG DEOK GU,

CHUNG JU CITY, CHUNG BUK, KOREA

TEL : 82-43-261-7399

FAX : 82-43-261-7169

d. In Case of Emergency

TEL : 82-2-6930-0811

2. Composition/ Information on Ingredients

Ingredients	CAS Number	Max. Content (%)
Acrylic Polymer	9011-14-7	35 ~ 45
Hydrated Alumina, Aluminum Hydroxide, Aluminum Trihydroxide	21645-51-2	55 ~ 65

3. Health Hazard Data

a. The product is a solid surface sheet of varying color and, as such, has no health hazards associated with it. However dust generated from cutting, sanding, or routing may cause mechanical irritation to the skin, eyes and respiratory tract.

b. Eyes: Dust generated during fabrication may irritate eyes.

c. Skin: Any sharp edges will cut or abrade the skin. Dust generated by fabrication may cause skin sensitization. (Methyl Methacrylate has been shown to cause

allergic responses at high concentrations.)

- d. Respiratory Tract: Dust generated during fabrication may cause irritation to respiratory tract, characterized by sneezing and coughing. May cause headache in case of long term exposure.

4. First Aid Measures

- a. Eye contact: Upon contact with nuisance dust particles, flush eyes immediately with large amounts of water for a minimum of 15 minutes. Seek medical attention.
- b. Skin contact: Not expected to be a problem. May cause skin sensitization. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. If irritation persists, seek medical attention.
- c. Inhalation: Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. Allow the victim to rest in a well ventilated area. Oxygen may be administered if breathing is difficult. Seek medical attention.
- d. Ingestion: Not applicable.

5. Fire and Explosion Data

- a. Flammability: Non-flammable
- b. Flash Point: Not available
- c. Auto ignition temperature: No available
- d. Products of combustion: Some metallic oxides
- e. Fire hazards in presence of various substances: Non-flammable in presence of shocks heat, oxidizing materials, reducing materials, combustible materials, organic materials, metals, acids, alkalis and moisture.
- f. Fire Fighting Media – Use dry chemical, CO₂, Water spray or foam.
Extinguishing Media must not be used for safety reasons; high volume water jet.

6. Spill Procedures & Waste Disposal

Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration may be acceptable.

7. Handling and Storage

- a. Handling: Do not breathe dust. If user operations generate dust, use ventilation

to keep airborne contaminants below the exposure limit

- b. Storage: No specific storage is required. Be sure that it is not necessary to strain to reach materials and that shelves are not overloaded
- c. DOT/TDG classification: Not a DOT controlled material

8. Special Protection Information

- a. Eye: Safety glasses
- b. Hands: Gloves to protect against cuts and abrasions are highly recommended
- c. Respirator: Wear appropriate respirator when ventilation is inadequate (NIOSH approved) because of generated dust

9. Physical and Chemical Properties

- a. Appearance: Solid
- b. Odor: Odorless
- c. pH: Not applicable
- d. Specific Gravity: 1.75
- e. Evaporation rate: Not available
- f. Vapor Pressure: Not available
- g. Solubility in water: Insoluble
- h. Solubility in solvents: Insoluble in methanol, diethyl ether, n-octanol, acetone

10. Stability and Reactivity

- a. Stability: Stable
- b. Chemical instability/Materials to avoid: Not considered to be reactive according to our database
- c. Corrosivity: Not considered to be corrosive for metals and glass according to our database
- d. Hazardous decomposition: Not available
- e. Hazardous polymerization: May occur

11. Potential Chronic Health Effects

The product is not toxic to blood, kidneys, lungs, the nervous system, the reproductive system, liver, or mucous membranes.

- a. Chronic effects: Not available
- b. Mutagenic effects: No available

c. Teratogenic effects: Not available

12. Ecological Information

a. Ecotoxicity: Not available

b. BODS and COD: Not available

c. Toxicity of the products of biodegradation: Not available

13. Federal Regulations

a. TSCA(Toxic Substance Control Act): All components of the product are listed on the TSCA inventory

b. HMIS(Hazardous Material Information System):
Health hazard – 1, Fire hazard – 0, Reactivity – 0, Personal protection – A

14. Other information

The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered a warranty or quality specification, The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the test.