

# Safety Data Sheet

H-TEC HTMC9

MSDS No. 9645.11

Date of Preparation: 7/16/96

Revision: 1/17/13

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** H-TEC HTMC9

**Manufacturer:** Marshall Additive Technologies

Division of the R. J. Marshall Company

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**Date Revised:** 1/17/13

**Preparer:** Stephanie Nichols

## Section 2 - Hazards Identification

### ☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Depending on the type of handling and use (e.g. grinding, drying), airborne respirable crystalline silica may be generated. Prolonged and/or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness. Occupational exposure to respirable crystalline silica dust should be monitored and controlled. This product should be handled with care to avoid dust generation.

This product does not meet the criteria for classification as hazardous as defined in the Regulation EC 1272/2008 and in Directive 67/548/EEC.

Label elements: None HMIS Rating: H: 1 F: 0 R: 0

Respirable Crystalline Silica (quartz); R-phrase: R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation. H-statement: H372-Causes damage to lung through prolonged or repeated exposure to inhalation.

## Section 3 - Composition / Information on Ingredients

Ingredient Name	CAS Number	Weight %
Huntite	19569-21-2	50-70
Hydromagnesite	12072-90-1	30-50
Respirable Crystalline Silica (quartz)	14808-60-7	<1

### Exposure Limits:

Ingredient	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Huntite	none estab.	none estab.	none estab.	none estab.
Hydromagnesite	15 mg/m <sup>3</sup> total 5 mg/m <sup>3</sup> respirable	none estab.	10 mg/m <sup>3</sup>	none estab.
Respirable Crystalline Silica (quartz)	none estab.	none estab.	10 mg/m <sup>3</sup>	none estab.

## Section 4 - First Aid Measures

**Inhalation:** If overcome by high dust concentrations, remove to a ventilated area. Seek medical attention for any symptoms that may develop.

**Eye Contact:** Flush eyes thoroughly for 15 minutes taking care to rinse under eyelids. Do not scrub. Abrasion may cause irritation. If discomfort continues, continue to wash with water. If irritation persists, consult a physician.

**Skin Contact:** No special first aid measures necessary.

**Ingestion:** No first aid measure required.

**After first aid, get appropriate in-plant, paramedic, or community medical support.**

**Note to Physicians:** No special first aid measures necessary.

### Section 5 - Fire-Fighting Measures

**Flash Point:** n/a  
**Flash Point Method:** n/a  
**Burning Rate:** Not determined.  
**Auto-ignition Temperature:** Not determined.  
**Flammability Classification:** Non-flammable.  
**Extinguishing Media:** No restrictions.  
**Unusual Fire or Explosion Hazards:** None known.  
**Hazardous Combustion Products:** None known.  
**Fire-Fighting Instructions:** No specific fire-fighting protection is required.

### Section 6 - Accidental Release Measures

**Spill /Leak Procedures:** Avoid dry sweeping. Use water spray or vacuum up material to prevent airborne dust generation. Collect spilled material in sealable containers. Recycle if possible.  
**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

### Section 7 - Handling and Storage

**Handling Precautions:** Minimize airborne dust generation during loading and unloading.  
**Storage Requirements:** Keep containers closed. Keep away from heat and strong acids.

### Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:**  
**Ventilation:** Use local exhaust or other engineering controls to keep airborne levels below specified exposure limits.  
**Administrative Controls:**  
**Respiratory Protection:** With sufficient extraction or closed system, breathing apparatus is not necessary. In the event of possible exposure use dust filter P1.  
**Protective Clothing/Equipment:** Work clothing and gloves recommended. Dust goggles recommended.  
**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.  
**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

### Section 9 - Physical and Chemical Properties

<b>Physical State:</b> powder	<b>Water Solubility:</b> Very low.
<b>Appearance and Odor:</b> white odorless	<b>Other Solubilities:</b> n/a
<b>Odor Threshold:</b> n/e	<b>Boiling Point:</b> decomposition
<b>Vapor Pressure:</b> n/a	<b>Freezing/Melting Point:</b> decomposition
<b>Vapor Density (Air=1):</b> n/a	<b>Viscosity:</b> n/a
<b>Formula Weight:</b> n/a	<b>Refractive Index:</b> n/a
<b>Density:</b> n/a	<b>Surface Tension:</b> n/a
<b>Specific Gravity (H<sub>2</sub>O=1, at 4 °C):</b> 2.5	<b>% Volatile:</b> n/a
<b>pH:</b> 10 @ 10% aqueous dispersion	<b>Evaporation Rate:</b> n/a
<b>Decomposition Temp.:</b> >250°C (482°F)	

### Section 10 - Stability and Reactivity

**Stability:** This product is stable at room temperature in closed containers under normal storage and handling conditions.  
**Polymerization:** Hazardous polymerization cannot occur.  
**Chemical Incompatibilities:** Dissolves in strong acids with formation of heat.  
**Conditions to Avoid:** Do not overheat. Decomposition products: MgO, CaO, H<sub>2</sub>O, CO<sub>2</sub> @ >250°C (482°F).  
**Hazardous Decomposition Products:** Not applicable.

## Section 11- Toxicological Information

### Toxicity Data:\*

Based on available data, the classification criteria are not met for the following:

Acute Toxicity, Skin corrosion/irritation, Serious eye damage/irritation, Respiratory or skin sensitization, Germ cell mutagenicity, Carcinogenicity, Reproductive toxicity, STOT-single exposure, STOT-repeated exposure, and Aspiration hazard.

## Section 12 - Ecological Information

Not hazardous.

## Section 13 - Disposal Considerations

**Disposal:** Recycle if possible or landfill. This substance is inert and does not require special disposal methods. Follow applicable Federal, state, and local regulations.

## Section 14 - Transport Information

**DOT Transportation Data (49 CFR 172.101):** This product is not classified as dangerous under the transport regulations for road, rail, sea, or air transport.

## Section 15 - Regulatory Information

### EPA Regulations:

RCRA Hazardous Waste Number(40 CFR 261.33): Not listed  
 RCRA Hazardous Waste Classification: Not classified  
 CERCLA Hazardous Substance (40 CFR 302.4) Not listed  
 SARA Toxic Chemical (40 CFR 372.65): Not listed  
 SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed

### OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

### TSCA

This substance or all of its components are on the Chemical Substances Inventory of the Toxic Substance Control Act (TSCA Inventory [USA]). Please note that this product is not subject to any legal reporting requirements under these acts.

### INTERNATIONAL REGULATIONS

EINECS: LISTED EC# 310-127-6	REACH-EXEMPT	CHINA (IECSC)- LISTED	JAPAN (ENCS)- LISTED	TAIWAN (NECI)-LISTED
NEW ZEALAND (NZIoC)-LISTED	AUSTRALIA (AICS)-NOT LISTED	CANADA- NOT LISTED	KOREA (KECI)- NOT LISTED	PHILIPPINES (PICCS)-NOT LISTED

## Section 16 - Other Information

**Prepared By:** Stephanie Nichols

**Revision Notes:** 1/17/13

**Product Grades Available from the R. J. Marshall Company** (this list may be incomplete):

HTMC9
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