

Safety Data Sheet

H-TEC HTMC9

MSDS No. 9645.12

Date of Preparation: 7/16/96

Revision: 4/9/15

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: H-TEC HTMC9

Synonyms: Magnesium calcium hydroxyl carbonate

Recommended uses: Flame retardant

Restrictions on use: none

Manufacturer: Marshall Additive Technologies

Division of the R. J. Marshall Company

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Section 2 - Hazards Identification

Classification of the chemical: Non-hazardous in accordance with paragraph (d) of 1910.1200.

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.

Signal word: None

Symbol: None

Hazard Statements: None

Precautionary Statements: None

Hazards not otherwise classified:

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.

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

Section 4 - First Aid Measures

Description of necessary measures, subdivided according to the different routes of exposure:

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 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.

Most important symptoms/effects, acute and delayed: None observed.

Indication of immediate medical attention and special treatment needed: No special first aid measures necessary.

Section 5 - Fire-Fighting Measures

Suitable Extinguishing Media: No restrictions.

Unsuitable Extinguishing Media: None

Specific hazards arising from the chemical:

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

Personal precautions, protective equipment, and emergency procedures: Avoid airborne dust generation, wear personal protective equipment in compliance with national legislation.

Environmental precautions: No special requirements.

Methods and materials for containment and cleaning up: Avoid dry sweeping. Use water spray or vacuum up material to prevent airborne dust generation. Collect spilled material in sealable containers. Recycle if possible.

Section 7 - Handling and Storage

Precautions for safe handling: Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment. Handle packaged products carefully to prevent accidental bursting.

Conditions for safe storage, including any incompatibilities: Minimize airborne dust generation and prevent wind dispersal during loading and unloading. 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. Wear safety glasses with side shields.

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.

Ingredient	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Particles Not Otherwise Classified	15 mg/m ³ total 5 mg/m ³ respirable	none estab.	10 mg/m ³	none estab.
Respirable Crystalline Silica (quartz)	10 mg/m ³ total 3 mg/m ³ respirable	none estab.	.025 mg/m ³ respirable	none estab.

Section 9 - Physical and Chemical Properties

Appearance: white powder

Odor: odorless

Odor Threshold: not applicable

pH: 10 @ 10% aqueous dispersion

Freezing/Melting Point: decomposes

Boiling Point: decomposes

Flash Point: not applicable

Flash Point Method: not applicable

Evaporation Rate: not applicable

Flammability Classification: Non-flammable.

Upper/lower flammability or explosive limits: not applicable

Vapor Pressure: not applicable

Vapor Density (Air=1): not applicable

Relative Density: 2.5

Water Solubility: Negligible

Other Solubilities: not applicable

Partition coefficient: n-octanol/water; not applicable

Auto-ignition Temperature: Not applicable

Decomposition Temp.: >250°C (482°F)

Viscosity: not applicable

Section 10 - Stability and Reactivity

Reactivity: This product is stable under normal conditions.

Chemical Stability: This product is stable at room temperature in closed containers under normal storage and handling conditions.

Possibility of hazardous reactions: Dissolves in strong acids with formation of heat.

Conditions to Avoid: Do not overheat. Decomposition products: MgO, CaO, H₂O, CO₂ @ >250°C (482°F).

Incompatible materials: Strong acids.

Hazardous Decomposition Products: Not applicable.

Section 11- Toxicological Information

Information on the likely routes of exposure: Inhalation, Eyes

Symptoms related to the physical, chemical, and toxicological characteristics: May cause irritation of the eyes and respiratory tract.

Delayed and immediate effects and also chronic effects from short- and long-term exposure: None anticipated.

Numerical measures of toxicity:

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.

Carcinogenicity:

This material is not listed as carcinogenic by OSHA, IARC, or NTP.

Section 12 - Ecological Information

Ecotoxicity: Non-hazardous.

Persistence and degradability: Non-hazardous

Bioaccumulative potential: Not relevant.

Mobility in soil: Negligible.

Results of PBT and vPvB assessment: This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

Section 13 - Disposal Considerations

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

Packaging: Recycling and disposal of packaging should be carried out in compliance with 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.

UN Number: Not regulated

UN proper shipping name: Not regulated

Transport hazard classes: Not regulated

Packing group: Not regulated

Environmental hazards: Not applicable

Transport in bulk according to Annex II or MARPOL 73/78 and the IBC Code: Not applicable

Special precautions for user: Not applicable

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: 4/9/15

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

HTMC9

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