

# Safety Data Sheet

H-TEC HTMC9

SDS No. 9645.14

Date of Preparation: 7/16/96

Revision: 8/20/20

## Section 1 - Chemical Product and Company Identification

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

**Synonyms:** Huntite hydromagnesite

**Recommended uses:** Flame retardant

**Restrictions on use:** none

**Manufacturer:** Marshall Additive Technologies

Division of the R. J. Marshall Company

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**Date Revised:** 8/20/20

**Preparer:** Stephanie Nichols

## Section 2 - Hazards Identification

**Classification of the chemical:** Carcinogenicity Category 1A

**Signal word:** Danger



**Symbol:**

**Hazard Statements:** May cause cancer by inhalation.

**Precautionary Statements:**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves.

If exposed or concerned: Get medical advice/attention.

Store locked up.

Dispose of contents or containers in accordance with federal, state, and local regulations.

## 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:** Move the affected person to fresh air. Get medical attention if symptoms occur.

**Eye Contact:** Rinse eyes with water as a precaution. Get medical attention if irritation develops and persists.

**Skin Contact:** Gently wash with plenty of soap and water. Get medical advice if skin irritation persists.

**Ingestion:** Call a poison center or a doctor if you feel unwell.

**Most important symptoms/effects, acute and delayed:** May cause cancer if inhaled.

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

## Section 5 - Fire-Fighting Measures

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**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:** Do not attempt to take action without suitable protective equipment.

## Section 6 - Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures:** Wear suitable protective clothing. Avoid contact with eyes, skin, and clothing.

**Environmental precautions:** Avoid release to the environment.

**Methods and materials for containment and cleaning up:** Mechanically recover the product. Notify authorities if the product enters the sewers or public waters. Place in a suitable container for disposal in accordance with the waste regulations.

## Section 7 - Handling and Storage

**Precautions for safe handling:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product in the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Wear personal protective equipment. Floors, walls, and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust. Avoid contact with eyes, skin, and clothing. Wash hands with water and soap. Ensure adequate ventilation.

**Conditions for safe storage, including any incompatibilities:** Store locked up.

## Section 8 - Exposure Controls / Personal Protection

**Exposure guidelines:**

Ingredient	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Particles Not Otherwise Classified	15 mg/m <sup>3</sup> total 5 mg/m <sup>3</sup> respirable	none established	None established	none established
Respirable Crystalline Silica (quartz)	0.05 mg/m <sup>3</sup> respirable	none established	.025 mg/m <sup>3</sup> respirable	none established

**Engineering Controls:**

**Ventilation:** Use local exhaust or other engineering controls to keep airborne levels below specified exposure limits.

**Administrative Controls:**

**Protective Clothing/Equipment:**

**Hand protection:** Wear suitable gloves.

**Eye protection:** Wear suitable eye protection.

**Skin and body protection:** Wear suitable protective clothing.

**Respiratory protection:** In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used.

**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

**Appearance:** white powder

**Odor:** odorless

**Odor Threshold:** no data available

**pH:** 10 @ 10% aqueous dispersion @ 20°C

**Melting Point:** decomposes

**Freezing point:** decomposes

**Boiling Point:** decomposes

**Flash Point:** not applicable

**Flash Point Method:** not applicable

**Evaporation Rate:** no data available

**Flammability Classification:** Non-flammable.

**Upper/lower flammability or explosive limits:** not applicable

**Vapor Pressure:** not applicable

**Vapor Density (Air=1):** no data available

**Relative Density:** 2.5

**Solubility:** no data available

**Partition coefficient:** n-octanol/water; not applicable

**Auto-ignition Temperature:** Not applicable

**Decomposition Temp.:** >250°C (482°F)

**Viscosity:** not applicable

**Oxidizing properties:** Not oxidizing

## Section 10 - Stability and Reactivity

**Reactivity:** This product is non-reactive under normal conditions of use, storage, and transport.

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

**Possibility of hazardous reactions:** No dangerous reactions known under normal conditions of use.

**Conditions to Avoid:** None known.

**Incompatible materials:** None known.

**Hazardous Decomposition Products:** Not applicable.

## Section 11- Toxicological Information

**Information on the likely routes of exposure:** Inhalation, Eye, and Ingestion.

**Symptoms related to the physical, chemical, and toxicological characteristics:**

**Inhalation:** May cause cancer if inhaled.

**Eye:** May cause minor eye irritation.

**Skin:** May cause slight irritation to the skin.

**Ingestion:** May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

**Delayed and immediate effects and chronic effects from short- and long-term exposure:** May cause cancer if inhaled.

**Numerical measures of toxicity:**

**Carcinogenicity:**

**Crystalline Silica:** IARC: 1-Carcinogenic to humans; NTP: Known human carcinogen

**Germ cell mutagenicity:** Not classified

**Reproductive toxicity:** Not classified

**Acute Toxicity:**

**Crystalline Silica:** Oral rat LD50>2000 mg/kg; Dermal rabbit LD50 >2000 mg/kg

**Skin corrosion/irritation:** Not classified

**Serious eye damage/irritation:** Not classified

**Respiratory or skin sensitization:** Not classified

**STOT-single exposure:** Not classified

**STOT-repeated exposure:** Not classified

**Aspiration hazard:** Not classified

## Section 12 - Ecological Information

**Ecology-general:** The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

**Ecotoxicity:** Quartz: LC50: 10,000 mg/L 96h Fish

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Results of PBT and vPvB assessment:** This product is an inorganic substance and does not meet the criteria for PBT or vPvB under 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 of 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 302: Not listed  
 SARA 311/312: Health Hazard  
 SARA Toxic Chemical (40 CFR 372.65): Not listed  
 SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed

**California Proposition 65:**


**WARNING:** This product can expose you to chemicals including crystalline silica, which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).”

**OSHA Regulations:**

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

**TSCA**

All components of this product 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:** 8/20/20

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

HTMC9
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