



## **THERMACELS™**

### **Insulating Ceramic Additive for paint**

#### **DIRECTIONS FOR USE**

The ThermaCels™ should be gradually stirred into the appropriate size container of paint.

One Pre-measured 1 gallon package of ThermaCels for one gallon of paint or,  
a Pre-measured 5 gallon package of ThermaCels for a 5 gallon pail of paint.  
(Mixing ratio is 4 parts paint to 1 part Ceramic Additive)

If you bought a bulk contractor package, simply measure out a 1 qt container (32 oz. by vol.)  
or use a kitchen measuring cup (4 cups = 1 QT of Additive for each one gallon of paint).

DO NOT try to mix this package directly into your container of paint as it will not all fit.  
Get a second or larger container to use for mixing purposes. Simply pour your paint into the  
larger sized container and mix in the Ceramic Additive while stirring slowly to avoid clumping  
of the additive. Make sure to completely mix all of the ThermaCels into your paint! Always stir  
your paint for a minute or two prior to commencing painting if the paint has been sitting for  
more than 2 hours since last used.

Note: Recommended Roller Size 1/2" to 3/4" nap depending on surface texture..

Spraying: Remove all filters Tip Size .019 - .024 or larger depending on viscosity of paint.

The ThermaCels will leave a mild texture (suede look) to the surface to which it has been  
applied which will help hide defects in a wall surface.

**We recommend 2 coats of paint containing the insulating ceramics to insure complete,  
uniform distribution of the insulating "beads."**

NOTE: If needed add up to 1 pint of water per gallon of paint or reduce with  
Hy-Tech Acry-Flow to help the paint to flow better!

SAFETY DATA: Hy-Tech Ceramic Additive is a very environmentally friendly blend of  
organic ceramic microspheres which are non-toxic. Inhalation of large amounts of this product  
in its free powdered state could cause respiratory irritation and a dust mask should be worn if  
working around large airborne concentrations of this product prior to mixing with paint. If eye  
irritation occurs, flush eyes with water and if problems persist consult a physician.

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**Hy-Tech ThermaCels™ Ceramic Paint Additive**  
**Materials Safety Data Sheet**

**Identification of product:**

Product name - Hy-Tech ThermaCels™ Ceramic Microspheres  
Manufacturer - Hy-Tech Thermal Solutions, LLC.  
Address - 159 Parkhill Blvd., W. Melbourne, FL 32904  
Telephone Number - 321-984-9777  
Sales Name - Hy-Tech Insulating Paint Additive

This product contains ingredients considered to be trade secrets by Hy-Tech Thermal Solutions, LLC.

This MSDS does, however disclose all necessary information needed to handle and use the product safely.

**TSCA and Other Chemical Name:** Clay Mixture (CAS 66402-68-4)

Inventories The Chemical Abstract Services (CAS) number for Hy-Tech paint additive is 66402-68-4, which is listed on the TSCA (U.S.), CDSL (Canada), EINECS (E.U.), AICS (Australia), KECI (Korea) and PICCS (Philippines) inventories. Because of their physical characteristics, the additive can be considered articles according to above listed inventories, and therefore exempt from chemical registration requirements.

DOT Hazard Class -Not Applicable DOT Shipping Name -Non-regulated article  
The NAFTA Harmonized Tariff Code is 6815-99-4000.

**Chemical and physical data:**

Appearance & Odor -Dry white powder, odorless  
Ingredients-Mixture Ceramic Spheres

**Fire, Explosion and Reactivity Hazard Data:**

Flash Point (° F) -Noncombustible  
Special Fire Fighting Procedures -Not Applicable  
Stability -Stable Conditions to Avoid - None known  
Incompatibility (materials to avoid) - None Known  
Hazardous Decomposition Products -None

**Spills and Disposal:** Environmental Hazard -None Known.

Spillage -Sweep, scoop, or vacuum material

Waste Disposal Method -Landfill according to local, state and federal regulations.

Disposed material is not a RCRA hazardous waste.

**Health Hazard Data:**

Eye Contact - Causes irritation. Skin Contact -May cause dehydration and irritation

Inhalation -Causes irritation to respiratory tract

Chronic Hazards -No known chronic hazards. Not listed by OSHA, NTP or IARC as a carcinogen. Medical conditions aggravated by exposure -Asthma and lung diseases

First aid procedures - In case of contact immediately flush eyes with plenty of water.

Get medical attention if irritation persists. If inhaled, remove to fresh air

**Special Protection Information:**

Respiratory protection -Use NIOSH-certified dust respirator where dust occurs.

Observe OSHA regulations for respirator use (29 CFR 1910.134)

Gloves -Cotton gloves are usually sufficient to protect hands from irritation arising from handling this product

Eye protection -Chemical goggles

Personal hygiene -Avoid breathing dust. Wash thoroughly after handling

Engineering control - Use with adequate ventilation

This product does not contain crystalline silica and is not listed on any of the following regulatory lists: EPCRA, CERCLA, CA PROP 65, and US or specific state OSHA hazardous chemicals