



# INTERNATIONAL TECHNICAL CERAMICS, INC.

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*Energy-Saving Ceramic Coatings and Kilns*

*Fibre Modules • Kiln & Furnace Repair Products*

## ITC KILN REPAIR PRODUCTS

### ITC 100 HT Ceramic Coating

USE: To save fuel and to repair and protect all kiln interiors made of brick, castable, fibre blanket or fibre board and burner blocks and burner tips. To minimize glaze sticking on kiln furniture, such as setters, slabs and pins.

PREPARE SURFACE: Remove all debris, loose particles, dust, etc. from interior walls, door, crown and grooves behind electrical elements. Vacuum if possible. Immediately before applying coating, dampen these areas by spraying lightly with water.

MIX: To one pint of ITC 100 HT add 1/2 pint of water and mix well.  
To one gallon of ITC 100 HT add 1/2 gallon of water and mix well.

APPLY: Using a spraygun, apply a thin coat on the dampened surface. A brush can be used, dipping the brush into water first each time. Spray or brush through elements. Spraying is preferable.

### ITC 200 EZ Ceramic Repair

USE: Excellent for repairing broken, chipped or cracked brick or burner blocks, castable or fibre material and for filling in crevices.

PREPARE SURFACE: Apply ITC 100 HT as directed above.

APPLY: If necessary, thin with ITC 100 HT as prepared above. Using a spatula or similar tool, simply fill all cracks, holes, crevices and damaged areas, including areas behind electrical elements in need of repair. Allow to dry.

### → ITC 296A Ceramic Top Coating ←

USE: To obtain a higher degree of purity when firing porcelain, jewelry and other fine items. To further enhance kiln performance and to increase longevity of electrical elements.

PREPARE SURFACE: Apply ITC 100 HT and ITC 200 EZ as directed above.

MIX: To one pint of ITC 296A add 1/2 pint of water and mix well.  
To one gallon of ITC 296A add 1/2 gallon of water and mix well.

APPLY: Fire at least twice after application of ITC 100 HT and ITC 200 EZ. Spray or brush entire surface, including elements. Spraying is preferable.

**Mailing Address**  
P.O. Box 1726  
Ponte Vedra, FL 32004

**Research & Development Center**  
325 Mealy Drive, Mayport Industrial Park  
Atlantic Beach, FL 32233

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072



ITC 296A

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Manufacturer's Name

INTERNATIONAL TECHNICAL CERAMICS, INC

Emergency Telephone Number

904-285-0200

Address (Number, Street, City, State, and ZIP Code)

Telephone Number for information

PO Box 1726

904-285-0200

Ponte Vedra FL 32004

**Date Prepared**

JANUARY, 6th, 2004

Signature of Preparer (optional)

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
ITC 296A is made of non-toxic ceramic components.				

Boiling Point	4000 <sup>o</sup> +	Specific Gravity (H <sub>2</sub> O = 1)	N/A
Vapor Pressure (mm Hg.)	N/A	Melting Point	5000 <sup>o</sup> +
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	N/A		
Appearance and Odor	Odorless ceramic paste		

Flash Point (Method Used)	N/A	Flammable Limits	N/A	LEL	UEL
Extinguishing Media	N/A				
Special Fire Fighting Procedures	None. Material is used in high temperature applications.				

## Inorganic Fire and Explosion Hazards

**Section V — Reactivity Data**

Stability	Unstable	N/A	Conditions to Avoid	N/A
	Stable	N/A		

Incompatibility (Materials to Avoid)

N/A

Hazardous Decomposition or Byproducts

N/A

Hazardous Polymerization	May Occur		Conditions to Avoid	
	Will Not Occur	X		

**Section VI — Health Hazard Data**

Route(s) of Entry:      Inhalation? ☒      Skin? ☒      Ingestion? ☒

Health Hazards (Acute and Chronic)

Material is non-toxic; however, if inhaled, swallowed or painted on skin, can create health hazards.

Carcinogenicity:      N/A      NTP?      IARC Monographs?      OSHA Regulated?

Signs and Symptoms of Exposure

Lung, skin, or eye irritation can occur if unprotected during application.

Medical Conditions

Generally Aggravated by Exposure      Any pre-existing lung, skin, or eye disease will be aggravated with inadequate protection during application.

Emergency and First Aid Procedures

Wash eyes and body immediately upon contact.

**Section VII — Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled

Put in proper receptacles and dispose of in accordance with local, state, and federal laws.

Waste Disposal Method

This material if disposed will harden by outside temperature into solid form that is non-hazardous to nature.

Precautions to Be Taken in Handling and Storing

Keep container lids tightly sealed when not in use.

Other Precautions

Use OSHA approved air purifying respirator, safety goggles, work clothes and gloves during application.

**Section VIII — Control Measures**

Respiratory Protection (Specify Type)

Air purifying respirator

Ventilation	Local Exhaust	Best	Special	N/A
	Mechanical (General)	Best	Other	Best

Protective Gloves

Advisable to use during application

Eye Protection

Safety goggles

Other Protective Clothing or Equipment

Standard work uniforms that protect skin

Work/Hygiene Practices

Attention to cleanliness and personal care will prevent problems.

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