

## MATERIAL SAFETY DATA SHEET

MSDS Name: **BRONZESHIELD PART 1 (RESIN)**  
MSDS Number: SH-12338  
Version Number  
MSDS Date: OCT-01-2012  
Page Number: 1 of 4

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### SECTION I - PRODUCT AND COMPANY INFORMATION

Product Name: BRONZESHIELD PART 1  
Hazard Rating: Health: 2 Fire: 3 Reactivity: 0 PPI:

Manufactured by/Company Name: Ceramic Industrial Coatings  
325 Highway 81  
Osseo MN 55369

Contact: SUE THILLMAN  
Telephone/Fax: 763-424-2044 763-424-1014  
Chemtrec (24 Hour): 1-800-424-9300

Product Class URETHANE  
Trade Name  
Product Code SH-12338  
Shipping Name PAINT, 3, UN-1263, PGII

### SECTION II - INGREDIENT AND HAZARD INFORMATION

Ingredient Name	CAS Number	Percent	TSCA
TERT BUTYL ACETATE	540-88-5	30 - 60	N
ETHYL 3-ETHOXYPROPIONATE	763-69-9	1 - 5	

### SECTION III - PHYSICAL DATA

Form: LIQUID  
Appearance/Color: CLEAR  
pH Value: Not Applicable  
Boiling Range: 208.0°F - 308.0°F  
Evaporation Rate:  
Vapor Density: Heavier than air  
  
% Volatile Weight CALCULATED 47.15%  
% Volatile / Volume CALCLULATED 54.06%  
Specific Gravity: 1.01128

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### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class IB  
Flash Range: 39.0F - 120.0F  
Setaflash

### EXTINGUISHING MEDIA:

Foam, CO2, Dry Chemical

### SPECIAL FIREFIGHTING PROCEDURES:

A straight water stream would spread fires.

### UNUSUAL FIRE & EXPLOSION HAZARDS:

Forms combustible mixture with air.

### SECTION V - HEALTH HAZARD DATA

#### PERMISSIBLE EXPOSURE LEVEL:

Undetermined.

#### EFFECTS OF OVEREXPOSURE:

EYES: Can cause severe irritation, redness, tearing, blurred vision.

SKIN: Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

BREATHING: Excessive inhalation of vapors can cause nasal irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation.

SWALLOWING: Can cause gastrointestinal irritation, nausea, vomiting, diarrhea, blindness and death. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

#### FIRST AID:

INGESTION: Contact a physician immediately.

EYE CONTACT: Immediately wash with water.

### SECTION VI - STABILITY AND REACTIVITY

Stability: This product is stable

Hazardous Polymerization: Hazardous polymerization will not occur

#### INCOMPATIBILITY:

(Materials to avoid) Oxidizing material.

#### CONDITIONS TO AVOID:

Excessive heat and poor ventilation.

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HAZARDOUS DECOMPOSITION PRODUCTS:  
Carbon Monoxide. (If insufficient air.)

### SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  
Use non-sparking tools and absorbent material to wipe up spill.  
Allow waste to dry in open pail or drum, Then fit with tight cover.

WASTE DISPOSAL METHOD:  
Dispose of in accordance with Federal, State and Local

regulations. SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
TERT BUTYL ACETATE	200.00 PPM	N/est	N/est	N/est	200.00 PPM
ETHYL 3-ETHOXYPROPIONATE	N/est	N/est	N/est	N/est	N/est

RESPIRATORY PROTECTION:  
Use approved respiratory equipment if vapor exceeds TLV. Organic vapor masks are available.

PROTECTIVE GLOVES:  
Not required unless direct contact.

EYE PROTECTION:  
Wear safety glasses or goggles to guard against splashes.

OTHER PROTECTIVE EQUIPMENT:  
As required to avoid wetting clothes.

### SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:  
Keep in a cool, dry place.

OTHER PRECAUTIONS:  
Ground all containers when transferring liquid. Use non-sparking tools.

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### DISCLAIMER:

The data contained herein is believed to be correct. However, since conditions of use are outside our control it should not be taken as a warranty or representation for which Ceramic Industrial Coatings assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.

Seller's liability for its products shall be limited to the return of the amount of the purchase price paid by the purchaser. Under no circumstances shall seller be liable for special, indirect or consequential damages.

### SECTION X - REGULATORY INFORMATION