



**1 - PRODUCT and COMPANY INFORMATION**

**Company Info:** iCOAT Products, Inc. [www.icoatproducts.com](http://www.icoatproducts.com)  
**Company Address:** 1519 W. Grant St. Phoenix, AZ 85007, USA  
**Phone:** (602) 258-1114  
**Fax:** (602) 258-1119  
**CHEMTREC:** For emergencies in the US Call CHEMTREC: (800) 424-9300  
**Canutec:** In Canada, all CANUTEC: (613) 996-6666 (call collect)  
**MSDS Format:** According to ANSI Z400.1-2004

**Product Name:** Patch & Fill  
**Product Number:** FL-Patch&Fill

**HMIS Classification:** H F R PP  
 1 0 1 x

**2 - COMPOSITION INFORMATION**

Ingredients / Components	CAS #	OSHA PEL	ACGIH TLV OTHER	WT %
Calcium Aluminate Cement	65997-16-2	5 mg/m3	10 mg/m3	30 - 40
White Portland Cement	65997-15-1	50 mppcf	10 mg/m3	1 - 10
Calcium Carbonate	1317-65-3	15 mg/m3	10 mg/m3	50 - 60
Silica Sand	14808-60-7	0.1 mg/m3	0.1 mg/m3	0 - 1
Vinyl Co-Polymer	Not Est.	Not Applicable	Not Applicable	1 - 5

**3 - HAZARDS IDENTIFICATION**

**Emergency Overview :** Irritant

**Potential Health Effects**

**Target Organs:** Eye, Skin Contact, Inhalation.  
**Skin / Eye Contact:** May cause irritation. May cause eye injury. Effect may be delayed.  
**Inhalation:** Prolonged or excessive inhalation of dust may cause respiratory tract irritation in sensitive individuals.  
**Ingestion:** Dust can cause inflammation of interior of nose and eyes. Prolonged exposure to dust over the TLV may cause scarring of the lungs and delayed lung injury (silicosis).  
**Chronic Health Effects:** Contains silica sand, known human carcinogen (category 1). May contain traces of chemicals on California Proposition 65 list.

**Aggravation of Pre-Existing Conditions:** Inhalation of dust may aggravate lung conditions such as asthma, emphysema, or chronic bronchitis.



## **4 -FIRST AID MEASURES**

- Eye Contact:** Immediately flush eyes with plenty of water for 15 – 20 minutes. Remove contact lenses after 1-2 minutes then continue flushing for several minutes. Get medical attention, if irritation or symptoms persist. Effect may be delayed.
- Skin Contact:** May cause drying of skin with consequent irritation. Prolonged contact with wet Portland cement may cause severe, potentially irreversible damage to the skin in the form of chemical (caustic) burns. Wash exposed skin areas with soap and water.
- Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention if symptoms persist.
- Ingestion:** If swallowed, mortar may set and cause bowel obstruction. Get immediate medical attention. Never give anything by mouth to an unconscious person.

**Notes to Physician:** Signs and symptoms of exposure are shortness of breath, coughing, reddening of eyes.

## **5 - FIRE FIGHTING MEASURES**

- Flash Point:** No data
- Lower Flammable / Explosive Limit:** Not applicable
- Upper Flammable / Explosive Limit:** Not applicable
- Extinguishing Media:** Use Dry Chemical or Carbon Dioxide fire extinguishers.
- Protective Equipment:** As in any fire, wear Self –Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
- Unusual Fire and Explosion Hazards:** Not Applicable

### **NFPA Ratings:**

NFPA Health:	1
NFPA Flammability:	0
NFPA Reactivity:	0

## **6 - ACCIDENTAL RELEASE MEASURES**

- Personnel Precautions:** Use proper personal protective equipment as listed in Section 8.
- Environmental Precautions:** Avoid runoff into storm sewers, ditches and waterways.
- Spill Cleanup Measures:** Sweep up or vacuum immediately; avoid creating dusty conditions. Material can absorb water and become slippery. Shovel up wet material and flush area with water.

## **7 - HANDLING AND STORAGE**

- Handling:** Use with adequate ventilation. Avoid breathing dust and contact with eyes.
- Storage:** Store in a cool, dry place. Keep container tightly closed when not in use.
- Hygiene Practices:** Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling dust.

## **8 - EXPOSURE CONTROLS / PERSONAL PROTECTION – EXPOSURE GUIDELINES**

- Engineering Controls:** Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of personal protective equipment.
- Eye/Face Protection:** Wear ANSI approved protective glasses or chemical working goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166
- Skin Protection:** Impervious protective gloves, chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.

**Respiratory Protection:**

Not normally required. If conditions warrant, use a NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

**Other Protective:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**EXPOSURE GUIDELINES****Calcium Aluminate Cement:**

TWA Total Dust: 10 mg/m<sup>3</sup>

**Calcium Carbonate:**

TWA Total Dust: 15 mg/m<sup>3</sup>

**Portland Cement:**

TWA Total Dust: 50 mppcf

**Silica Sand:**

TWA Total Dust: 0.1 mg/m<sup>3</sup>

**Vinyl Co-Polymer:**

TWA Total Dust: 10 mg/m<sup>3</sup>

**9 - PHYSICAL and CHEMICAL PROPERTIES**

<b>Physical State Appearance:</b>	Powder
<b>Color:</b>	Gray
<b>Odor:</b>	Low odor
<b>Flash Point:</b>	Not Applicable
<b>Lower Flammable / Explosive Limit:</b>	Not Applicable
<b>Upper Flammable / Explosive Limit:</b>	Not Applicable
<b>Boiling Point:</b>	Not Applicable
<b>Melting Point:</b>	Not Applicable
<b>Freezing Point:</b>	Not Applicable
<b>Density:</b>	8 – 10 lbs. / Gallon
<b>Vapor Density:</b>	Not Applicable (Air = 1)
<b>Solubility in Water (by weight):</b>	< 1%
<b>pH:</b>	10-13 in water
<b>Specific Gravity:</b>	2.7 (h <sub>2</sub> O = 1)

**10 - STABILITY and REACTIVITY**

<b>Chemical Stability:</b>	Stable.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Conditions to Avoid:</b>	Keep dry until used.
<b>Incompatible Materials:</b>	Contains Portland cement, when wet is highly alkali. As a result it is incompatible with acids, ammonium salts, aluminum and other alkali and alkaline earth metals.
<b>Hazardous Decomposition Products:</b>	Not Applicable.

**11 - TOXICOLOGICAL INFORMATION**

Not Applicable



## **12 - ECOLOGICAL INFORMATION**

**Ectoxicity:** No ectoxicity data was found for the product.  
**Environmental Fate:** No environmental information found for this product.

## **13 - DISPOSAL CONSIDERATIONS**

**Waste Disposal:** This product does not meet the definition of hazardous waste under U.S. EPA Hazardous Waste Regulations 40 CFR 261. Dispose of in an approved landfill. Furthermore, consult with your state and local waste requiremnts or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and / or state and local guidelines.

## **14 - TRANSPORTATION INFORMATION**

No special transportation or label placarding is required

## **15 - REGULATORY INFORMATION**

**California PROP 65:** Warning: This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

Listed ingredients are on the U.S. EPA TSCA inventory of chemical substances. W.H.M.I.S. Coed D.2

## **16 - ADDITIONAL INFORMATION**

**HMIS Health Hazard:** 1  
**HMIS Fire Hazard:** 1  
**HMIS Reactivity:** 0  
**HMIS Other:** x  
**MSDS Creation Date:** June 26, 2006  
**MSDS Revision Date:** September 9, 2009  
**MSDS Revision Notes:** Quarterly Formula Update  
**MSDS Author:** iCOAT Products, Inc.

**Disclaimer:** This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this sheet.

**Trademark:** The trademarks, service marks, graphics and logos used on this MSDS are registered or unregistered trademarks of iCOAT Products Inc. All Rights Reserved.