



**BASE BLEND**

**MATERIAL SAFETY DATA SHEET**

**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:** Base Blend  
**Product Number:** FL-Base

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

**2 - COMPOSITION INFORMATION**

Ingredients / Components	CAS #	RTECS	OSHA PEL	ACGIH TLV OTHER	WT %	EPA RPT QTY	DOT RPT QTY
Silica, Crystalline - Quartz	14808-60-7	VV7330000	See Table Z-3	.1 MG/M3 RDUST; 9495	50-70	N/A	N/A
White Portland Cement	65997-15-1	VV8770000	50 MPPCF; Z-3	10 MG/M3 TDUST; 9495	30-50	N/A	N/A
Arsenic; (Inorganic Compounds) (SARA 313) (CERCLA)	7440-38-2	CG0525000	See 1910.1018	.1 MG/M3 RDUST; 9495	<0.0003	1 LB	1 LB
Lead (SARA 313) (CERCLA)	7439-92-1	OF7525000	See 1910.1018	.15 MG/M3 DUST; 9495	<0.0002	1 LB	1LB

**3 - HAZARDS IDENTIFICATION**

**Emergency Overview :** Irritant

**Potential Health Effects**

**Target Organs:** Eye, Skin Contact, Inhalation.  
**Skin / Eye Contact:** May cause irritation.  
**Inhalation:** Prolonged or excessive inhalation of dust may cause respiratory tract irritation in sensitive individuals.  
**Ingestion:** Small amounts are not anticipated to be harmful  
**Chronic Health Effects:** Long-term Crystalline Silica exposure can cause permanent lung damage and reduced pulmonary function.

**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. Get medical attention, if irritation or symptoms persist.  
**Skin Contact:** Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.



- 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, do NOT induce vomiting. If person can swallow, give one glass of water or milk. Get immediate medical attention. Never give anything by mouth to an unconscious person.
- Other First Aid:** Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

## **5 - FIRE FIGHTING MEASURES**

- Flash Point:** No Data
- Lower Flammable / Explosive Limit:** N/A
- Upper Flammable / Explosive Limit:** N/A
- Extinguishing Media:** Use Water Spray, Foam, Dry Chemical or Carbon Dioxide.
- 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:** Dust clouds in air can be ignited by electric sparks, hot surfaces and open flame.

### **NFPA Ratings:**

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

## **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**

### **Dipropylene glycol monomethyl ether:**

Guideline ACGIH: TLV-TWA: 100 ppm  
TLV-STEL: 150 ppm

Guideline OSHA: OSHA-TWA: 100 ppm  
OSHA-STEL: 150 ppm

### **Ethylene glycol:**

Guideline ACGIH: TLV-STEL: C 100 mg/m<sup>3</sup> (aerosol only)

## **9 - PHYSICAL and CHEMICAL PROPERTIES**

**Physical State Appearance:** Powder  
**Color:** White  
**Odor:** None  
**Boiling Point:** No Data  
**Melting Point:** No Data  
**Density:** 8 – 10 lbs. / Gallon  
**Vapor Density:** Greater than 1 (Air = 1)  
**Flash Point:** No Data

## **10 - STABILITY and REACTIVITY**

**Chemical Stability:** Stable under normal temperatures and pressures.  
**Hazardous Polymerization:** No  
**Conditions to Avoid:** None specified by manufacturer.  
**Incompatible Materials:** None known.  
**Hazardous Decomposition Products:** Incomplete combustion can yield carbon monoxide

## **11 - TOXICOLOGICAL INFORMATION**

### **Dipropylene glycol butoxy ether:**

**RTECS Number:** UA8200000  
**Eye:** Eye – Rabbit; Standard Draize Test : 100 mg; No effects reported. (RTECS)  
**Skin:** Skin – Rabbit LD50 : 5860 uL/kg; Behavioral – somnolence (general depressed activity) Gastrointestinal – hypermotility, diarrhea lungs, Thorax or respiration – other changes (RTECS)  
**Ingestion:** Ingestion – Rat LD50: 160 uL/kg; Behavioral – somnolence (general depressed activity) Behavioral – ataxia  
Skin and Appendages – hair (RTECS)

### **Dipropylene glycol monomethyl ether:**

**RTECS Number:** JM1575000  
**Eye:** Eye – Rabbit; Standard Draize Test : 500 mg/ 24h ; Mild. (RTECS)  
**Skin:** Skin – Rabbit; Open irritation : 5400 uL/kg; Details of toxic effects not reported other than lethal dose value.  
**Ingestion:** Ingestion – Rat LD50: 5.5 ml/kg; Details of toxic effects not reported other than lethal dose value. (RTECS)

### **Ethylene glycol:**

**RTECS Number:** KW2975000  
**Eye:** Eye – Rabbit; Standard Draize Test : 500 mg/ 24h; Mild.  
Eye – Rabbit; Standard Draize Test : 1440 mg/ 6h; Moderate. (RTECS)  
**Skin:** Skin – Rabbit; Open irritation : 550 mg; Mild. (RTECS)  
**Inhalation:** Inhalation – Rat LC: >200 mg/m<sup>3</sup>/ 4H; Details of toxic effects not reported other than lethal dose value.  
Inhalation – Mouse LC: >200 mg/m<sup>3</sup>/ 2H; Details of toxic effects not reported other than lethal dose value. (RTECS)  
**Ingestion:** Ingestion – Rat LD50: 4700 mg/kg; Details of toxic effects not reported other than lethal dose value. (RTECS)



## **12 - ECOLOGICAL INFORMATION**

**Ectotoxicity:** No ectotoxicity 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 requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and / or state and local guidelines.

## **14 - TRANSPORTATION INFORMATION**

**DOT UN Number:** No Data  
**DOT Hazard Class:** No Data

## **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.

### **Dipropylene glycol butoxy ether:**

TSCA Inventory Status: Listed  
Canada DSL: Listed

### **Dipropylene glycol monomethyl ether:**

TSCA Inventory Status: Listed  
State Regulations: Listed in New Jersey State Right to Know List.  
Listed in Pennsylvania State Hazardous Substances List.  
Canada DSL: Listed

### **Nepheline Syenite:**

TSCA Inventory Status: Not Listed  
Canada DSL: Listed

### **Ethylene glycol:**

TSCA Inventory Status: Listed  
State Regulations: Listed in New Jersey State Right to Know List.  
Listed in Pennsylvania State Hazardous Substances List.  
Canada DSL: Listed

## **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.



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