

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical Name: BGI Versiplast (VP400)
 MSDS: January, 2004

Company Identification
 BGI Decorative Coatings
 330 Marwood Dr., #8
 Oshawa, Ontario
 L1H 8B4

Emergency Telephone Numbers
 Health Emergency: 905-443-0998
 Spill Emergency: 905-443-0998

2. Composition / Information on Ingredients

<u>Chemical Name</u>	<u>CAS REG NO.</u>	<u>Weight (%)</u>	<u>TLV (mg/m³)</u>	<u>LC₅₀/LD₅₀</u>
Propylene Glycol LC ₅₀ (oral, rat)=6517mg/kg	000057-55-6	0.7	Not Listed	LD ₅₀ (dermal, rabbit)>5000mg/kg
Acrylic Emulsion N/A	25.4	N/A	N/A	
LD ₅₀ (dermal, rabbit)>5000mg/kg				
Silica Sand	N/A	25.8	N/A	N/A
Calcium Carbonate	1317-65-3	11.72	Total Dust 10mg/m ³ TWA	
Microspheres	N/A	14.07	N/A	N/A
Titanium Dioxide N/A	2.5		10mg/m ³ LD ₅₀ (rat, oral)>24000mg/m ³	
LC ₅₀ (rat, inhalation)>6820mg/m ³				

3. Hazardous Identification

Primary Routes of Exposure

X	Inhalation	Skin Absorption
X	Eye Contact	Ingestion
X	Skin Contact	N/A

Effects of Acute Exposure to Product

May cause respiratory tract irritation and central nervous system (CNS) depression at high concentrations. Can be absorbed through intact skin. May cause eye irritation, redness and pain. Can cause respiratory failure, cardiovascular collapse, pulmonary edema, and kidney failure if ingested.

Other Health Effects

Survival of CNS depression maybe followed by cardiopulmonary failure, which is initiated by the onset of coma, and is characterized by quick, shallow breathing, excessively fast heartbeat, mild hypertension and cyanosis. In severe cases, pulmonary edema, bronchopneumonia, cardia enlargement and possible death may occur. Survival of cardiopulmonary failure may be followed by kidney damage, which may range from a mild increase in blood urea nitrogen to complete kidney failure, and possible death.

4. **First Aid Measures**

Inhalation

Move victim to fresh air. Give artificial respiration only if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing and no pulse. Obtain medical attention immediately.

Eye Contact

Immediately flush eyes with running water for a minimum of 20 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attentions immediately.

Skin Contact

Flush skin with running water and wash affected areas thoroughly with soap and water. Start flushing while removing contaminated clothing. Obtain medical attention immediately.

Ingestion

If victim is alert and convulsing, give 1/2 to 1 glass of water to dilute the material. DO NOT INDUCE VOMITING. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer more water. Obtain medical attention immediately.

General Information: Treat symptomatically

5. **Fire Fighting Measures**

Flash Point: N/A
Auto-Ignition Temperature: N/A
Lower Explosive Limit: N/A
Upper Explosive Limit: N/A
Unusual Hazards: N/A
Extinguishing Agents: N/A

6. **Handling and Storage**

Storage Conditions: Storage temperature should not exceed 60°C (140°F) or fall below 3°C (40°F)

Handling Procedures: Keep lid on containers when not in use.

7. **Personal Protection**

Respiratory Protection: NIOSH/MSHA approved respirator if required.

Eye Protection: Safety glasses with side shields are recommended to prevent eye contact.

Hand Protection: Use gloves and protective clothing made of material which has been found by user to be impervious under conditions of use.

Engineering Controls: Use local exhaust or general ventilation to keep the airborne
(Ventilation) concentrations below the applicable exposure limits.

8. Physical and Chemical Properties

Color: White
State: Thick Liquid
Odor Characteristics: Mild ammonia odor
PH: N/A
Viscosity: N/A
Specific Gravity (Water=1): 1-1.2
Vapor Density (Air=1): >2.0
Vapor Pressure: N/A
Melting Point: N/A
Boiling Point: N/A
Solubility in Water: Miscible
Percent Volatility: N/A
Evaporation Rate (Bac_1): >1.0

9. Stability and Reactivity

Instability: Chemically Stable
Hazardous Polymerization: Not Available
Reactive under what conditions? Open flames, high temperatures
Hazardous Decomposition: Not Available
Incompatibility: Not Available

10. Toxicological Information

Acute Date: N/A
Oral LD₅₀-rat: N/A
Dermal LD₅₀-rabbit: N/A
Skin Irritation-rabbit: N/A
Eye Irritation-rabbit: N/A

Animal studies show that ethylene glycol is fetotoxic and teratogenic in mice.

11. Other Information

MSDS prepared by: BGI Decorative Coatings
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Oshawa, Ontario
L1H 8B4

Supplier: BGI Decorative Coatings
330 Marwood Dr.,
Oshawa, Ontario
L1H 8B4 905-443-0998 (0997)

Manufacturer: BGI Decorative Coatings
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