



MATERIAL SAFETY DATA SHEET  
BRISTE GROUP INTERNATIONAL INC.

**1. Chemical Product and Company Identification**

Chemical Name: Versiplast  
MSDS Date: January 2009

**Company Identification**  
Briste Group International Inc.  
101B Roytec Rd  
Woodbridge, On  
L4L 8A9

**Emergency Telephone Numbers**  
Health Emergency: 905-856-0133  
Spill Emergency: 905-856-0133

**2. Composition/Information on Ingredients**

<u>Chemical Name</u>	<u>CAS REG NO.</u>	<u>Weight (%)</u>	<u>TLV(mg/m<sup>3</sup>)</u>	<u>LC<sub>50</sub>/LD<sub>50</sub></u>
Propylene Glycol	000057-55-6	1.0-0.7	Not listed	LC <sub>50</sub> (oral,rat)=6517mg/kg LD <sub>50</sub> (dermal,rabbit)>5000mg/kg
Acrylic Emulsion	N/A	23-26	N/A	LD <sub>50</sub> (oral,rat)=5000mg/kg LD <sub>50</sub> (dermal,rabbit)>5000mg/kg
Silica Sand	N/A	27-30	N/A	N/A
Calcium Carbonate	1317-65-3	11-13	Total Dust, 10mg/m <sup>3</sup> TWA	N/A
Microspheres	N/A	13-15	N/A	N/A
Titanium Dioxide	N/A	2.0-2.5	10mg/m <sup>3</sup>	LD <sub>50</sub> (rat,oral) >24000mg/m <sup>3</sup> LC <sub>50</sub> (rat,inhalation) >6820mg/m <sup>3</sup>

**3. Hazardous Identification**

Primary Routes of Exposure

Inhalation  Skin Absorption  Eye Contact  Ingestion  Skin Contact

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 may be 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, cardiac 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.



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#### 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 attention 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 not convulsing, give ½ 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

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#### 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

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#### 6. Handling and Storage

##### Storage Conditions

Storage temperature should not exceed 40°C (104°F) or fall below 4°C (40°F).

##### Handling Procedures

N/A

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#### 7. Personal Protection

##### Respiratory Protection

NIOSH/MSHA approved respirator if required.



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## 7. Personal Protection cont.

### 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 (Ventilation)

Use local exhaust or general ventilation to keep the airborne concentrations below the applicable exposure limits.

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## 8. Physical and Chemical Properties

Odour Characteristics: Ammonia odour

PH: N/A

Viscosity: N/A

Specific Gravity (Water=1): 1-1.2

Vapour Density (Air=1): >N/A

Vapour 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

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## 9. Stability and Reactivity

### Instability

Chemically stable

### Hazardous Decomposition

Not available

### Hazardous Polymerization

Not available

### Incompatibility

Not available

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## 10. Toxicological Information

Acute Data: N/A

Oral LD50 – rat: N/A

Dermal LD50 – rabbit: N/A

Skin irritation – rabbit: N/A

Eye irritation – rabbit: N/A



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101B ROYTEC RD  
WOODBIDGE, ON  
L4L 8A9

PRODUCT: VERSIPLAST  
MSDS DATE: JANUARY 2009

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## 11. Other Information

MSDS prepared by: Briste Group International Inc.  
101B Roytec Rd  
Woodbridge, On  
L4L 8A9

Supplier: Briste Group International Inc.  
101B Roytec Rd  
Woodbridge, On  
L4L 8A9

Manufacturer: Briste Group International Inc.  
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