





# Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

|   |                                      |                     |
|---|--------------------------------------|---------------------|
|  | Not controlled under WHMIS (Canada). | Irritating material |
| WHMIS (Pictograms)  | WHMIS (Classification)               | HCS                 |

## Section 1. Chemical Product and Company Identification

|                                     |   |   |                         |
|-------------------------------------|---|---|-------------------------|
| <b>Product Name/<br/>Trade name</b> | <b>TYGLUE</b>   | <b>Code</b>   | <b>691</b>              |
| <b>Synonym</b>                      | Coating   | <b>CAS #</b>  | Mixture.                |
| <b>Chemical Family</b>              | Paint.  | <b>Validation Date</b>  | 3/2/2007                |
| <b>Chemical Formula</b>             | Not applicable.   | <b>Print Date</b>   | 3/23/2007               |
| <b>Manufacturer/ Supplier</b>       | Basic Coatings<br>1001 Brown Avenue<br>Toledo, Ohio<br>(800) 247-5471 | <b>In Case of<br/>Emergency</b>   | CHEMTREC (800) 424-9300 |
| <b>TSCA</b>                         | TSCA Inventory: All components listed or are exempt from listing.     |   |                         |
| <b>DSL/ NDSL</b>                    | All components listed unless noted elsewhere on this MSDS             |   |                         |
|                                     |   | <b>Protective Clothing</b><br> |                         |

## Section 2. Composition and Information on Ingredients

| Name                            | CAS #      | % by Weight | Exposure Limits   | LC <sub>50</sub> /LD <sub>50</sub> |
|---------------------------------|------------|-------------|---|------------------------------------|
| Water                           | 7732-18-5  | >70         | Not available.  | Not available.                     |
| Acrylic Polymer                 | N/A        | 10 - 30     | Not available.  | Not available.                     |
| Dipropylene Glycol Methyl Ether | 34590-94-8 | <1          | <b>ACGIH TLV (United States).</b><br>TWA: 100 ppm 8 hour(s).<br>STEL: 150 ppm 15 minute(s). | Not available.                     |
| Silicone Emulsion               | N/A        | <1          | Not available.  | Not available.                     |
| Surfactant                      | 68439-57-6 | <1          | Not available.  | Not available.                     |

## Section 3. Hazards Identification

|   |  |
|---|--|
| <b>Potential Acute Health Effects</b>   | Irritation of the product in case of skin contact: Cases drying of the Skin. May aggravate existing eye conditions. Irritation of the product in case of eye contact: Irritant. May aggravate existing eye disorders |
| <b>Potential Chronic Health Effects</b> | Repeated or prolonged exposure is not known to aggravate medical condition.  |
| <b>Carcinogenic Effects</b>             | Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.   |

## Section 4. First Aid Measures

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | In case of contact with eyes, rinse immediately with plenty of water.  |
| <b>Skin Contact</b> | After contact with skin, wash immediately with plenty of water.  |
| <b>Inhalation</b>   | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. |

|                  |  |
|------------------|--|
| <b>Ingestion</b> | Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband. |
|------------------|--|

### Section 5. Fire Fighting Measures

|   |   |
|---|---|
| <b>Products of Combustion</b>               | Not available.  |
| <b>Fire Fighting Media and Instructions</b> | SMALL FIRE: Use DRY chemical powder.<br>LARGE FIRE: Use water spray, fog or foam. Do not use water jet. |
| <b>Special Remarks on Fire Hazards</b>      | Not available.  |
| <b>Special Remarks on Explosion Hazards</b> | Not available.  |


### Section 6. Accidental Release Measures

|   |  |
|---|--|
| <b>Small Spill and Leak</b>                         | Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. |
| <b>Large Spill and Leak</b>                         | Absorb with an inert material and put the spilled material in an appropriate waste disposal.                             |
| <b>Personal Protection in Case of a Large Spill</b> | Splash goggles. Full suit. Boots. Gloves.  |

### Section 7. Handling and Storage

|                        |  |
|------------------------|--|
| <b>Precautions</b>     | S1/2- Keep locked up and out of the reach of children. S24/25- Avoid contact with skin and eyes. |
| <b>Incompatibility</b> | Not available.   |
| <b>Storage</b>         | Not for use or storage in or around the home. S2- Keep out of the reach of children.             |

### Section 8. Exposure Controls/Personal Protection

|   |   |
|---|---|
| <b>Engineering Controls</b>             | Good general ventilation should be sufficient to control airborne levels.           |
| <b>Personal Protection</b>              |   |
| <i>Eyes</i>                             | Safety glasses.   |
| <i>Body</i>                             | No special protective clothing is required.   |
| <i>Respiratory</i>                      | Not applicable.   |
| <i>Hands</i>                            | Gloves.   |
| <b>Protective Clothing (Pictograms)</b> |  |
| <b>Exposure Limits</b>                  | Not available.  |

### Section 9. Physical and Chemical Properties

|                                      |   |              |                 |
|--------------------------------------|---|--------------|-----------------|
| <b>Physical State and Appearance</b> | Liquid.   | <b>Odor</b>  | Characteristic. |
| <b>Molecular Weight</b>              | Not applicable.   | <b>Taste</b> | Not available.  |
| <b>pH</b>                            | Not available.  | <b>Color</b> | White.          |
| <b>Boiling/Condensation Point</b>    | The lowest known value is 100°C (212°F) (Water).              |              |                 |
| <b>Melting/Freezing Point</b>        | May start to solidify at 0°C (32°F) based on data for: Water. |              |                 |

|  |   |
|--|---|
| <b>Critical Temperature</b>                                | Not available.  |
| <b>Instability Temperature</b>                             | Not available.  |
| <b>Specific Gravity</b>                                    | 1.016 (Water = 1)   |
| <b>Vapor Pressure</b>                                      | Not available.  |
| <b>Vapor Density</b>                                       | Not available.  |
| <b>Volatility</b>  | Not available.  |
| <b>VOC</b>   | 118 (g/l).  |
| <b>Evaporation Rate</b>                                    | Not available.  |
|  |   |
|  |   |
| <b>Dispersion Properties</b>                               | See solubility in water, methanol, acetone.   |
| <b>Solubility</b>  | Easily soluble in methanol, acetone.<br>Partially soluble in cold water, hot water. |
| <b>The Product is:</b>                                     | May be combustible at high temperature.   |
| <b>Auto-ignition Temperature</b>                           | Not available.  |
| <b>Flash Points</b>  | Closed cup: >300°C (572°F).   |
| <b>Flammable Limits</b>                                    | Not available.  |
| <b>Fire Hazards in Presence of Various Substances</b>      | Not available.  |
| <b>Explosion Hazards in Presence of Various Substances</b> | Not available.  |

### ***Section 10. Stability and Reactivity Data***

|  |                        |
|--|------------------------|
| <b>Stability</b>                               | The product is stable. |
| <b>Incompatibility with Various Substances</b> | Not available.         |
| <b>Hazardous Decomposition Products</b>        | Not available.         |

### ***Section 11. Toxicological Information***

|   |  |
|---|--|
| <b>Routes of Entry</b>                        | Dermal contact. Eye contact. Inhalation. Ingestion.  |
| <b>Toxicity to Animals</b>                    | LD50: Not available.<br>LC50: Not available.   |
| <b>Acute Effects on Humans</b>                | <p><i>Eyes</i> Not available.</p> <p><i>Skin</i> Irritation of the product in case of skin contact: Not available. Sensitization of the product: Not available.</p> <p><i>Inhalation</i> Not available.</p> <p><i>Ingestion</i> Not available.</p> |
| <b>Chronic Effects on Humans</b>              | Repeated or prolonged exposure is not known to aggravate medical condition.  |
| <b>Special Remarks on Toxicity to Animals</b> | Not available.   |

Special Remarks on Chronic Effects on Humans

Not available.

### Section 12. Ecological Information

Ecotoxicity

Not available.

BOD5 and COD

Not available.

Products of Biodegradation

Not available.

Toxicity of the Products of Biodegradation

Not available.

Special Remarks on the Products of Biodegradation

Not available.

### Section 13. Disposal Considerations

Waste Information

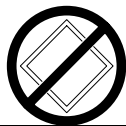
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream

Not available.

### Section 14. Transport Information

DOT (U.S.A) (Pictograms)



TDG Classification

-



PIN UN, Proper Shipping Name, PG

Not applicable.

Maritime Transportation

Not available.

Special Provisions for Transport

Not available.

### Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification)

Not controlled under WHMIS (Canada).



Regulatory Lists

No products were found.

Other Regulations

Not available. or of its ingredients

Other Classifications

HCS (U.S.A.)

Irritating material

USA Regulatory Lists

**WARNING:** This product contains chemical(s) known to the state of California to cause cancer, birth defects or other reproductive harm: Propylene imine

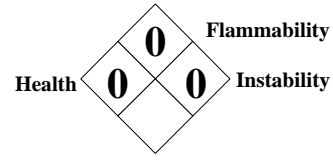
DSD (EEC) This product is not classified according to the EU regulations.

International Regulations Lists No products were found.

**Hazardous Material Information System (U.S.A.)**

|                 |   |
|-----------------|---|
| Health          | 1 |
| Flammability    | 0 |
| Physical Hazard | 0 |

**National Fire Protection Association (U.S.A.)**



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product. **Specific Hazard**

**Section 16. Other Information**

Validated by CRushton on 3/2/2007.

Verified by CRushton.

Printed 3/23/2007.

**Information Contact Betco Corporation  
1001 Brown Avenue  
Toledo, Ohio 43607**

Notice to Reader:

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

Validated on 3/2/2007.

**TYGLUE**

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