

Safety Data Sheet

Polyester TGIC Free

SECTION 1. IDENTIFICATION

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| Product Identifier | Polyester TGIC Free |
| Other Means of Identification | <i>Not Applicable</i> |
| Recommended Use | Coating powder. |
| Restrictions on Use | <i>Not Available</i> |
| Initial Supplier Identifier | Emerald Coatings 5914 Wellington Rd., 123 Palmerston, ON, Canada, N0G 2P0 Telephone: 1 (855) 317-4867 |
| Emergency Telephone Number | Toll Free: 1-855-317-4867 (8am – 4pm EST) |

SECTION 2. HAZARD IDENTIFICATION

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| GHS Classification | <i>Not Applicable</i> |
| Label Elements Pictograms | <i>Not Applicable</i> |
| Signal Word | WARNING |
| Hazard Statements | <i>Not Applicable</i> |
| Precautionary Statements | |
| Prevention: | <i>Not Applicable</i> |
| Response: | <i>Not Applicable</i> |
| Storage: | <i>Not Applicable</i> |
| Disposal: | <i>Not Applicable</i> |
| Other Hazards | May form combustible dust concentrations in air. |
| NOTES | <i>Not Applicable</i> |

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | Concentration* | Common name / Synonyms |
|----------------------------|------------|----------------|------------------------|
| Polyester Resin | 17464-88-9 | 5 – 10% | <i>Not Applicable</i> |
| **Barium Titanate | 12047-27-7 | 2% | <i>Not Applicable</i> |
| **Barium Sulphate, natural | 7727-43-7 | 10 – 30% | <i>Not Applicable</i> |
| **Titanium Dioxide | 13463-67-7 | 10 – 30% | <i>Not Applicable</i> |
| **Aluminum Hydroxide | 21645-51-2 | 3 – 10% | <i>Not Applicable</i> |

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| Notes | <p>*Actual concentration withheld to protect confidentiality.</p> <p>**One or more of the following ingredients (pigments) may be present in the mixture. However, the ingredients do not contribute to health hazard classification under the GHS or WHMIS,</p> |
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SECTION 4. FIRST-AID MEASURES

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| Inhalation | Remove victim to fresh air. If breathing is difficult, seek medical advice. |
| Skin Contact | Remove contaminated clothing and shoes. Rinse with soap and water. Do not use solvents or thinners. Seek medical advice. |
| Eye Contact | Immediately flush contaminated eye(s) with lukewarm, gently running water for at least 15 minutes while holding the eyelid(s) open. Take care not to rinse contaminated water into a non-affected eye. Remove contact lenses if applicable and easy to do so. Continue rinsing. Seek medical advice. |
| Ingestion | Rinse mouth. Do NOT induce vomiting. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Seek medical advice. |
| Most Important Symptoms and Effects, Acute and Delayed | Acute: INHALATION: May be irritating to nose, throat, lungs when present above concentration limits. SKIN CONTACT: No known significant effects or hazards. EYE CONTACT: May cause redness and/or tearing. INGESTION: No known significant effects or hazards. Chronic: <i>Not available</i> |
| Immediate Medical Attention and Special Treatment | Treat symptomatically. No special treatment. |

SECTION 5. FIRE-FIGHTING MEASURES

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| Extinguishing Media | |
| Suitable Extinguishing Media | Use dry chemical, water spray. |
| Unsuitable Extinguishing Media | Do not use water jet. |
| Hazardous Combustion Products | May produce oxides of carbon and other oxides of any heavy metals that are reported in Section 3. |
| Specific Hazards Arising from the Product | Dusts may form explosive mixtures with air. Product itself is not flammable. |
| Special Protective Equipment and Precautions for Fire-Fighters | Wear SCBA for firefighting if necessary. Use water to keep fire-exposed containers cool. Move containers away from fire is safe to do so. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

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| Personal Precautions, Protective Equipment, and Emergency Procedures | Evacuate unnecessary personnel from spill area. Wear appropriate personal protective equipment (See Section 8). Move containers from spill area. Do not generate or breathe dusts. |
| Methods for Containment and Cleaning Up | Implement spill control plan. Sweep up material and dispose of properly. Avoid breathing any dust that might be generated. Spills of fine material should be cleaned using gentle sweeping or vacuuming. Cleaning methods (e.g. compressed air) which can generate potentially combustible dust clouds should not be used. |

SECTION 7. HANDLING AND STORAGE

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| Precautions for Safe Handling | Close container after each use. Do not transfer contents to unlabeled containers. Wash thoroughly after handling and before eating or smoking. Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Keep away from open flames, hot surfaces and sources of ignition. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. If material is a coating: do not sand, flame cut, braze or weld dry coating without a NIOSH approved air purifying respirator with particulate filters or appropriate ventilation, and gloves. Combustible dust clouds may be created where operations produce fine material (dust). Avoid formation of significant deposits of material as they may become airborne and form combustible dust clouds. Build up of fine material should be cleaned using gentle sweeping or vacuuming in accordance with best practices. Cleaning methods (e.g. compressed air) which can generate potentially combustible dust clouds should not be used. |
| Conditions for Safe Storage | Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store separately from oxidizing agents and strongly alkaline and strongly acidic materials. |

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

| Chemical Name | ACGIH® TLV® | | NIOSH REL | |
|------------------------|---|-----------------------|-----------------------|-----------------------|
| Polyester Resin | <i>Not Applicable</i> | <i>Not Applicable</i> | <i>Not Applicable</i> | <i>Not Applicable</i> |
| Notes | *Exposure limits may vary from time to time and from one jurisdiction to another. Check with local regulatory agency for the exposure limits in your area. STEL = Short-term exposure limit; TWA = Time weighted average; TLV = Threshold limit value; REL = Recommended exposure limit | | | |

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| Appropriate Engineering Controls | Use general or local exhaust ventilation to maintain exposure below the exposure limits. Ensure proper ventilation if dust, mist, vapour is created during use. Use explosion-proof ventilation equipment. |
| Individual Protection Measures | |
| Eye/Face Protection | Eye protection is required in industrial settings. The wearing of contact lenses is not recommended. |
| Skin Protection | Wear chemical-resistant impervious gloves fabricated from butyl rubber. Avoid use of leather and wool. |
| Respiratory Protection | Not normally required for most uses. If use produces dusts and risk assessment indicates it is necessary, use an approved NIOSH half-face or full-face respirator. |
| Other | Have a safety shower and eye wash station readily available in the immediate work area. Use proper industrial hygiene practices. Remove contaminated clothing and do not allow contaminated clothing out of the workplace. |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance | Solid variable colour | Relative Density (Water = 1) | 1.35 |
| Odour | <i>Not Available</i> | Solubility in Water | Moderate |
| Odour Threshold | <i>Not Available</i> | Solubility in Other Liquids | <i>Not Available</i> |
| pH | <i>Not Available</i> | Partition Coefficient, n-Octanol / Water | <i>Not Available</i> |
| Melting Point and Freezing Point | <i>Not Available</i> | Auto-ignition Temperature | 290°C |
| Initial Boiling Point and Boiling Range | <i>Not Available</i> | Decomposition Temperature | <i>Not Available</i> |

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| Flash Point | None to 100°C | Viscosity | <i>Not Available</i> |
| Evaporation Rate | <i>Not Available</i> | Flammability (solid, gas) | <i>Not Available</i> |
| Vapour Density (air = 1) | <i>Not Available</i> | Upper and Lower Flammability or Explosive Limit | <i>Not Available</i> |
| Vapour Pressure | <i>Not Available</i> | Sensitivity to Static/Impact | Not sensitive |

SECTION 10. STABILITY AND REACTIVITY

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| Reactivity | No data available. |
| Chemical Stability | Stable under normal storage conditions. |
| Possibility of Hazardous Reactions | Hazardous polymerization will not occur. |
| Conditions to Avoid | Avoid generation of dusts and high temperatures. |
| Incompatible Materials | Keep away from oxidizing agents, strong acids and bases. |
| Hazardous Decomposition Products | None under normal conditions. Upon thermal decomposition the product may liberate oxides of carbon, nitrogen. |

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

 X Inhalation X Skin contact X Eye contact Ingestion

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| Acute Toxicity | |
| LC50 (inhalation) | <i>Not Applicable</i> |
| LD50 (oral) | <i>Not Applicable</i> |
| LD50 (dermal) | <i>Not Applicable</i> |
| Notes | Not expected to be acutely toxic. |
| Skin Corrosion / Irritation | May be mildly irritating. |
| Serious Eye Damage / Irritation | May be mildly irritating. |
| Inhalation | May be slightly irritating to nose and throat (Mechanical). |
| STOT (Specific Target Organ Toxicity) - Single Exposure | Not expected. |
| Aspiration Hazard | Not reported. |
| STOT (Specific Target Organ Toxicity) - Repeated Exposure | Not reported. |
| Respiratory and/or Skin Sensitization | Not expected. |
| Carcinogenicity | IARC reports inadequate evidence for classification as human carcinogen. |
| Reproductive Toxicity | |
| Development of Offspring | Not reported. |
| Sexual Function and Fertility | Not reported. |
| Effects on or via Lactation | Not reported. |

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| Germ Cell Mutagenicity | Not expected to be a mutagen. |
| Interactive Effects | Not reported. |

SECTION 12. ECOLOGICAL INFORMATION

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| Ecotoxicity | Unknown ecotoxicity for mixture. | | |
| | Ingredient | Species | LC/EC₅₀ |
| | <i>Not Available</i> | <i>Not Available</i> | <i>Not Available</i> |
| Persistence and Degradability | <i>Not Available</i> | | |
| Bioaccumulative Potential | <i>Not Available</i> | | |
| Mobility in Soil | <i>Not Available</i> | | |
| Other Adverse Effects | <i>Not Available</i> | | |

SECTION 13. DISPOSAL CONSIDERATIONS

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| Disposal Methods | Canadian Environmental Protection Act: All ingredients are listed in the DSL or are not required. Dispose of in accordance with all federal, provincial/state, and local regulations. Consult with your local supplier for additional information. For disposal of unused or waste material, check with local, state and federal environmental agencies. |
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SECTION 14. TRANSPORT INFORMATION

| Regulation | UN No. | Proper Shipping Name | Technical Name (for N.O.S. entry) | Transport Hazard Class(es) | Packing Group |
|----------------------------------|--------|----------------------|-----------------------------------|----------------------------|---------------|
| Canadian TDG Regulations* | | | | | |
| 49 CFR/DOT* | | | | | |
| IATA Regulations* | | | | | |
| IMDG Code* | | | | | |
| *Not Regulated for Transport. | | | | | |

SECTION 15. REGULATORY INFORMATION

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| Safety, Health and Environmental Regulations | Canadian Environmental Protection Act (CEPA): All components of this product are on the Canadian DSL. United States Inventory (TSCA): All components are listed or exempt. |
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SECTION 16. OTHER INFORMATION

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| Date of Creation | February 28, 2019 |
| Date of Latest Revision | March 13, 2019 |
| Notes | Health Material Information System (HMIS): Health: 1 Flammability: 0 Reactivity: 0 Physical Hazards: E HMIS Ratings: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe; * = Chronic Effects. |
| Disclaimer | This Safety Data Sheet (SDS) was prepared by iHazmat Regulatory Ltd., (www.iHazmat.com) using information and classifications provided by Emerald Coatings. All information in this SDS is offered for your consideration and guidance when working with this product and is accurate to the best of our knowledge. No guarantee can be made that the hazards described herein are the only hazards that exist. |

****SDS compliant with WHMIS 2015***