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SAFETY DATA SHEET

Lamitex GPO3

Section 1: Chemical Property and Company Identification

Product: Lamitex GPO3
Trade Name: Lamitex Grade GPO3 Sheet, Angle, Channel, Tube & Rod
Chemical Name: Polymerized Mixture of Unsaturated Polyester Resins based on a PET derivative, Metal Oxides, Hydroxides, and Stearates, Fiberglass, and Pigments.
Product Use: Arc/track & flame resistant laminate for electrical applications.
Company: Franklin Fibre-Lamitex Corporation
903 East 13th Street, Wilmington DE 19082
Emergency Telephone: 302.652.3621

Section 2: Hazard(s) Identification

Inhalation: Dusts or particulates may cause irritation of the mucous membranes and respiratory tract.
Eye: Dusts and particulates may cause irritation of the eyes.
Skin Contact: Dusts and particulates may cause irritation of the eyes.
Skin Absorption: Not known to be absorbed through the intact skin.
Ingestion: Not expected to be an important route of entry into the body. Ingestion of large quantities of the product dusts or particulates may cause gastric discomfort or distress.
Chronic and Carcinogenicity: Prolonged exposure to dusts or particulates may cause dermatitis. The carbon black pigment in the black, brown, and gray colors of the product has been identified as a potential carcinogen. The carbon black is bound in a polymeric matrix and is not expected to be bio-available. Preexisting skin, lung, kidney, and liver conditions may be aggravated by exposure to the components of the product. See Section 11.
OHSA Status: Not hazardous.

Section 3: Composition/ Information on Ingredients

Proprietary Polymerized Mixture of Unsaturated Polyester Resins based on a PET derivative, Metal Oxides, Hydroxides, and Stearates, Fiberglass, and Pigments.

Section 4: First-aid Measures

Inhalation: Remove exposed person to fresh air. If breathing is difficult, oxygen may be administered. If breathing has stopped, artificial respiration should be started immediately. Seek medical attention.
Eyes: Flush with tepid water for at least 20 minutes, holding the eyelids wide open. Seek medical attention if irritation develops.
Skin: Wash thoroughly with mild soap and water. Seek medical attention if irritation develops.
Ingestion: Not expected to be an important route of entry into the body. If large amounts of product dusts or particulates are ingested, seek medical attention.

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Section 5: Fire-Fighting Measures

Product will not burn. Material in or near fires should be cooled with a water spray or fog if compatible with fire-fighting techniques for the other materials involved in the fire. A self-contained breathing apparatus, operating in the positive-pressure mode, and full fire-fighting gear should be worn for combating fires.

Section 6: Accidental Release Measures

Pick up released product with appropriate implements and return to original container if reusable. If not reusable, place in appropriate containers for disposal. Appropriate personal protective equipment cited in Section 8 should be worn during all clean-up operations. Although the product itself is non-hazardous, materials collected during clean-up operations may be contaminated and should be treated as hazardous unless specific testing, including TCLP, shows the collected materials to be non-hazardous.

Section 7: Handling and Storage

Do not store with or near incompatible materials cited in Section 10. Store out of contact with the elements. Appropriate personal protective equipment cited in Section 8 should be worn during handling. Good housekeeping and engineering practices should be employed to prevent the generation and accumulation of dusts. Wet mopping or vacuuming is recommended to clean up any dusts that may be generated during handling and processing. Wash hands and face thoroughly before eating, drinking, or smoking.

Section 8: Exposure Controls/ Personal Protection

Component

Proprietary Polymerized Mixture of Unsaturated Polyester Resins, Metal Oxides, Hydroxides, and Stearates, Fiberglass, and Pigments:

| | <u>CAS #</u> Not Est. | <u>Percent</u> 100 | <u>ACGIH TLV</u> Not Est. | <u>OSHA PEL</u> Not Est. | <u>Units</u> Not Est. |
|------------------------|--------------------------|-----------------------|------------------------------|-----------------------------|--------------------------|
| <u>Component</u> | <u>CAS #</u> | <u>Percent</u> | <u>ACGIH TLV</u> | <u>OSHA PEL</u> | <u>Units</u> |
| Carbon Black | 1333-86-4 | Variable | 3.5 | 3.5 | mg/m ³ |
| <u>Component</u> | <u>CAS #</u> | <u>Percent</u> | <u>ACGIH TLV</u> | <u>OSHA PEL</u> | <u>Units</u> |
| Antimony and compounds | 7440-36-0 | < 2 | 0.5 | 0.5 | mg/m ³ |
| <u>Component</u> | <u>CAS #</u> | <u>Percent</u> | <u>ACGIH TLV</u> | <u>OSHA PEL</u> | <u>Units</u> |
| Inert or Nuisance Dust | None | NA | 10 | 15 | mg/m ³ |

ACGIH TLVs are based on 2005 values. OSHA PELs are based on 29 CFR 1910.1000 (7-1-06 Edition).

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Continued Section 8: Exposure Controls / Personal Protection

Engineering Controls: Not normally required under normal and expected conditions of use. If significant amounts of dust are generated during processing, the operation should be evaluated by a professional industrial hygienist and local exhaust ventilation provided if deemed necessary. Local exhaust ventilation systems should be designed by a professional engineer.

Respiratory Protection: Not normally required under normal and expected conditions of use. If significant amounts of dust are generated during processing, the operation should be evaluated by a professional industrial hygienist and appropriate respiratory protection used, if deemed necessary. All use of respiratory protections should be in accordance with the provisions of OSHA's Respiratory Protection Standard, 29 CFR 1910.134.

Eye Protection: Safety glasses with sideshields are recommended for all operations.

Protective Gloves: Polymeric gloves are recommended to prevent possible irritation. PVC or similar materials are recommended.

General: A polymeric coated apron or other body covering is recommended where regular work clothing may become contaminated with the product. All soiled or dirty clothing and personal protective equipment should be thoroughly cleaned before reuse.

Section 9: Physical and Chemical Properties

Appearance and Physical State: Various Colored Sheets

| | | | |
|---|--------------|---|------------------------|
| Octanol / Water Partition Coefficient: | ND | Melting Point: | ND |
| Vapor Density (Air=1): | NA | Evaporation Rate (Butyl Acetate =1): | NA |
| Vapor Pressure: | NA | Specific Gravity/Bulk Density: | 1.7 to 2.2 g/cc |
| Odor: | None | | |
| % Volatile by Volume: | Not Volatile | Boiling Point: | ND |
| % Solubility (H2O): | <1 | pH: | NA |
| Flash Point: NA | LEL: NA | UEL: NA | Auto Ignition Temp: NA |
| Other: NA | | | |

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Section 10: Stability and Reactivity

Stability: Product is stable.
Polymerization: Hazardous polymerization will not occur.
Incompatibility: Do not store with or near strong acids or bases or strong oxidizing or reducing agents.
Thermal Decomposition: Thermal decomposition may produce dense smoke, oxides of carbon, nitrogen, and sulfur, and low molecular weight organic species whose composition and toxicity has not been determined.
Special Sensitivity: None that are known.

Section 11: Toxicological Information

The black, brown, and gray colors of the product contain carbon black which has been identified as a potential carcinogen. The IARC cites several animal studies where inhalation or intratracheal installation of carbon black, using rats as the test species, showed an increased incidence of benign and malignant tumors of the lung. The product contains up to 2% antimony trioxide (CAS number 1309-64-4). Prolonged exposure to antimony compounds may cause liver, lung, and cardiovascular damage. The carbon black and the antimony trioxide in the product are bound in a polymeric matrix and is not expected to be bio-available.

Section 12: Ecological Information

Detailed studies on the environmental fate of the product have not been conducted. The product is, however, not expected to present a hazard to aquatic and terrestrial flora and fauna.

Section 13: Disposal Considerations

As supplied, product is considered non-hazardous. It should be disposed of in an EPA approved landfill in accordance with all local, state, and federal regulations. If used or waste product is disposed of, testing, including TCLP, should be conducted to determine hazard characteristics.

Section 14: Transport Information

Not currently regulated under Department of Transportation regulations.

Section 15: Regulatory Information

U.S. TSCA Inventory:
All ingredients are on the inventory or are exempt from listing.
SARA Section 313:
The product can contain up to 2% antimony compounds and 2.2% zinc compounds which are reportable under Section 313 of the Superfund Amendments and Reauthorization Act of 1986.
OSHA Hazard Communication Categories:
Irritant, Lung Hazard, Skin Hazard, Kidney Hazard, Liver Hazard, Carcinogen and Cardiovascular System.

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Continued **Section 15:** **Regulatory** **Information**

SARA Hazard Categories:

Not hazardous as supplied. In use: Acute Hazard, Chronic Hazard

California Proposition 65:

This product contains antimony trioxide, which is known to the State of California to cause cancer. A ño significant risk levelö (NSRL) has not been established for antimony trioxide. Any other listed chemicals are below detectable levels. The antimony trioxide is bound in a polymer matrix.

Canada - WHMIS Classification:

Non-Hazardous. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

European Regulations:

This product complies with the RoHS directive 2002/95/EC, the commission decision 2005/618/EC and WEEE requirements under commission directive 2002/96/EC. This product is REACH compliant, as of 5/2015.

Section 16: **Other Information**

Not Est. = Not Established; NA = Not Applicable; ND = Not Determined

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