

Laboratory Sample Material Safety Data Sheet

Section IV - First Aid Measures

Eye Contact:

Flush eyes with water for 20 - 30 minutes. If irritation occurs, get medical attention.

Skin Contact:

Wash skin thoroughly with soap and water. If contact with molten product occurs, treat as for ordinary burns. If molten polymer contacts the skin, cool rapidly with cold water. Do not attempt to peel polymer from skin. Obtain medical attention for thermal burns.

Inhalation:

Not likely to be inhaled due to physical form; remove affected person from dusty environment.

Ingestion:

Not probable; if a large amount is swallowed, seek medical attention.

Section V - Fire and Explosion Hazard Data

Flash Point (Method Used): Not Applicable

Flammable Limits: Not Applicable

Extinguishing Media: Water fog, foam, dry chemical or carbon dioxide

Special Fire Fighting Procedures:

Material will not burn unless preheated. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

Unusual Fire and Explosion Hazards:

Treat as solid that can burn. Molded parts generally burn slowly with a low smoke density and flaming drips. Under certain conditions can burn with a high smoke density.

Laboratory Sample Material Safety Data Sheet

Section VI - Accidental Release Measures

Steps to Be Taken in Case Material is Released or Spilled:

Shovel and sweep up or use industrial vacuum cleaner; avoid generating dust clouds; put into containers for reclaiming or disposal.

Section VII - Handling and Storage

Precautions to Be Taken in Handling and Storing:

Treat as a solid that can burn. Store away from oxidizing materials, in a cool, dry place with adequate ventilation.

Product has a tendency to accumulate static charge during transport, handling and processing. Reducing the velocity of transport will reduce charging. Static charge buildup can be a potential fire hazard when used in presence of volatile or flammable mixtures.

In processing, do not allow the temperature to exceed 450 degrees F. Maintain a fire watch if 450 degrees F. is reached.

Avoid vapors from heated products. Adequate ventilation or engineering controls must be employed in high temperature processing to prevent exposure to potentially toxic/irritating fumes.

Practice good housekeeping:

Do not allow product to accumulate in processing area.

Laboratory Sample Material Safety Data Sheet

Section VIII - Exposure Controls/Personal Protection

Respiratory Protection:

Not ordinarily required

Ventilation:

Ventilation as required to control dust concentration in air. Adequate ventilation and or engineering controls are required when product is heated in processing.

Protective Gloves:

Heat protective gloves

Eye Protection:

Safety glasses

Other Protective Clothing or Equipment:

Heat protective clothing

Medical Conditions Generally Aggravated by Exposure:

Pre-existing eye and respiratory disorders may be aggravated by product fines.

Section IX - Physical/Chemical Characteristics

Boiling Point:

Not Applicable

Specific Gravity:

.88 – 1.22

(H₂O = 1)

Vapor Pressure:

Not Applicable

Melting Point:

Not Applicable

(mm Hg.)

Vapor Density:

Not Applicable

Evaporation Rate:

Not Applicable

(AIR = 1)

(Butyl Acetate = 1)

Solubility in Water:

Negligible

Appearance and Odor: Solid, essentially odorless

Laboratory Sample Material Safety Data Sheet

Section X - Reactivity Data

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions to Avoid:

Avoid contact with strong oxidizing agents. This product contains residual unsaturation which can undergo exothermic oxidative degradation. Accumulation of the product in areas exposed to elevated temperatures for extended periods in air may result in self-heating and autoignition. GLS's internal guideline is five days at 200°F.

Hazardous Decomposition:

At processing temperatures, some degree of thermal degradation will occur; although highly dependent on temperature and environmental conditions, a variety of decomposition products may be present ranging from simple hydrocarbons (such as methane and propane) to toxic/irritating gases (carbon monoxide and dioxide, acrolein, acids, ketones, aldehydes).

Section XI - Toxicological Information

Carcinogenicity: NTP? Not listed IARC Monographs? Not listed OSHA Regulated? No

Signs and Symptoms of Exposure: As noted above

Section XII - Ecological Information

Ecotoxicity: Not Available.

BOD5 and COD: Not Available.

Products of Biodegradation:

Hazardous degradation products are not likely to appear in a short period of time. Long term degradation product information is not available.

Section XIII - Disposal Considerations

Waste Disposal Method:

Place in an appropriate disposal facility in compliance with local, state and federal regulations.

Laboratory Sample Material Safety Data Sheet

Section XIV - Transport Information

DOT Classification: Not Regulated

Section XV - Regulatory Information

The components of this product are listed on the EPA/TSCA inventory of chemical substances.

Protection of stratospheric ozone (Pursuant to Section 611 of the clean air act amendment 1990): Per 40 CFR Part 82. This product does not contain nor was it directly manufactured with any Class I or Class II Ozone Depleting Substances.

Based on Data available, this product is not regulated under Section 313 of Title III of the Superfund Amendments & Reauthorization Act of 1986.

Based on Data available, this product is not regulated under the California Safe Drinking and Water Act (Proposition 65).

Based on Data available, this product is not regulated under the Resource Conservation and Recovery Act (RCRA).

Based on Data available, this product is not regulated under the Coalition of Northeastern Governors (CONEG).

Based on Data available, this product is not regulated as an Extremely Hazardous Substance (EHS).

Section XVI - Other Information

WHMIS (Canada): Not Hazardous

The information contained herein is based on the data available to us and is believed to be correct. However, GLS Corporation makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. GLS assumes no responsibility for injury from the use of the product described herein.