



MSDS: LCA® PEI Unfilled

Material Safety Data Sheet

Uniplas, Inc.

Section 1

Uniplas, Inc.
1145 Sutton Street
Howell, MI 48843

Telephone Numbers: (517) 295-4196
Product Information (Uniplas, Inc.)
Transportation Emergency – Chemtrec:
(800) 424-9300

MATERIAL IDENTIFICATION

| | | | |
|-----------------------|--|------------|--------------|
| PRODUCT NAME: | LCA® PEI 1000, LCA® PEI CRS5001 LCA® PEI 1010 | | |
| CHEMICAL NAME: | Polyetherimide | | |
| CAS NO.: | Polyetherimide | 61128-46-9 | |
| | Carbon Black (if Black) | 1333-86-4 | < 2.0 – 4.0% |
| PRODUCT USE: | Engineered Thermoplastics | | |

Section 2

HAZARDOUS INGREDIENTS (Additives not hazardous by 29 CFR 1910.1200)

| Identity | CAS Number | Concentration |
|----------|------------|---------------|
| | | |

Section 3

HEALTH HAZARD DATA

Acute or immediate effects: Molten plastic can cause thermal burns. Processing fumes may cause irritation to the eyes, skin, and respiratory tract. In cases of severe over-exposure, nausea and headache may occur. Condensate from fumes that collects on vent ducting, molds, and other surfaces can cause irritation and injury to skin.

Routes of entry and systems:

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| Ingestion: | Not acutely toxic |
| Skin: | Pellets not likely to cause skin irritation |



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| Eye: | Product may cause irritation or injury due to mechanical action. |
| Inhalation: | Pellet inhalation unlikely due to physical form |

Section 4

EMERGENCY FIRST AID

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| Eyes: | Remove contact lenses at once. Immediately flush eyes well with copious quantities of water or normal saline for at least 20-30 minutes. If irritation persists, seek medical attention. |
| Skin: | Wash skin thoroughly with soap and water. Seek medical attention. If contacted by molten material, cool immediately with cold water and seek medical attention. Do not remove material from skin. |
| Inhalation: | Not likely to be inhaled due to physical form. Processing off-gases may cause respiratory irritation. Remove affected to fresh air and assist in breathing if necessary. |
| Ingestion: | Not probable. If large amount is swallowed, seek medical attention. |
| Chronic Effects: | |
| Medical Conditions generally aggravated by this material: | No known human health effects aggravated by exposure to this product. However, certain sensitive individuals and individuals with respiratory impairments may be affected by exposure to components in the processing fumes. |

Section 5

FIRE AND EXPLOSION HAZARD DATA

| | |
|--|---|
| Flash Ignition Temperature: | No information available |
| Unusual Fire/Explosion Hazards: | No information available |
| Hazardous Combustion Products: | Phenolic compounds, nitrogen oxide, hydrogen bromide, carbon monoxide, small amounts of hydrogen cyanide and styrene |
| Special Fire Fighting Instructions: | Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus and protective fire fighting clothing. |
| Extinguishing Media: | Water, foam, dry chemical, CO2 |



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Section 6

ACCIDENTAL RELEASES

Spill or Release: Sweep or gather material and place in proper container for disposal or recovery. Spills present slipping hazard on walking surfaces.

Section 7

STORAGE CONDITIONS

NORMAL HANDLING: Following recommendations on label and in processing guide. Prevent contact with skin and eyes. Use good industrial hygiene practices. Provide adequate ventilation. Secondary operations such as grinding, sanding, or sawing may product a dust explosion hazard. Use aggressive housekeeping activities to prevent dust accumulation. Employ bonding, grounding, venting, and explosion relief provisions in accordance with accepted engineering practices.

STORAGE RECOMMENDATIONS: Store in a dry place away from moisture, excessive heat, and sources of ignition. Avoid storage near foods to prevent food contamination.

Section 8

PROTECTION INFORMATION

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| Eye: | Wear safety glasses with side shields or chemical goggles. In addition, use full-face shield when cleaning processing fume condensates from hoods, ducts, and other surfaces. |
| Skin: | When handling pellets avoid prolonged or repeated contact with skin. When melt processing product wear long pants, long sleeves, well-insulated gloves, and face shield when applicable. Use appropriate protective clothing, including chemical resistant gloves, to prevent any contact with processing fume condensates. |
| Ventilation: | A continuous supply of fresh air to the workplace together with removal of processing fumes through exhaust systems is recommended. Processing fume condensate may be a fire hazard and toxic; remove periodically from exhaust hoods, ductwork, |



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| | and other surfaces using appropriate personal protection. For powders and residual dusts, refer to Handling and Storage Section (Section 7). Ventilation requirements must be locally determined to limit exposure to processing fumes in the workplace. |
| Respirator: | When processing fumes are not adequately controlled, use respirator approved for protection from organic vapors and acid gases. When dust or powder from secondary operations (grinding, sawing, sanding) is not adequately controlled, use respirator approved for protection from dust. |
| Additional Protective Measures: | |

Section 9

PHYSICAL/CHEMICAL DATA

| | |
|-----------------------------|----------------------|
| Appearance: | Solid plastic pellet |
| Odor: | None |
| Melting Point: | 220 – 260C |
| Solubility in Water: | Insoluble |
| Volatile Content %: | Negligible |
| Specific Gravity: | > 1.25 |

Section 10

HAZARDOUS REACTIVITY

| | |
|---------------------------------------|---|
| Stability at Room Temperature: | Stable |
| Materials to Avoid: | |
| Conditions to Avoid: | Exceeding melt temperatures. Purging's should be collected in small, flat shapes, or thin strands to allow for rapid cooling; quench in water to avoid auto ignition. |
| Decomposition Temperature: | |
| Decomposition Products: | Traces of phenol, alkylphenols, and diarylcarbonates. |

Section 11

TOXICOLOGICAL INFORMATION



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See Section 2 for potential health effects.

Section 12

ECOLOGICAL INFORMATION

Not expected to present any significant ecological problems.

Section 13

DISPOSAL

Waste Disposal: Recycling is encouraged. Landfill or incinerate in accordance with federal, state/provincial, and local requirements. Collected processing fume condensates and incinerator ash should be tested to determine waste classification.

Section 14

TRANSPORT INFORMATION

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| DOT Hazard Class: | |
| Technical Shipping Name: | |
| Freight Class Bulk: | |
| Freight Class Package: | |
| Product Label: | |

Section 15

REGULATORY INFORMATION

OSHA Status:

SARA TITLE III:

Section 302 – Extremely Hazardous Substances: None

Section 311/312 Hazard Categories: None

Section 313 Toxic Chemicals: None

RCRA Status: Not an RCRA hazardous waste.



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United States TSCA Status: Product complies with the Chemical Substance Inventory requirements of the US EPA Toxic Substances Control Act.

STATE RIGHT TO KNOW LAWS – The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements, contact the appropriate agency in your state

HMIS Rating

0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

| | |
|------------------|--|
| Health | |
| Flammability | |
| Reactivity | |
| PPE | |
| # Acute *Chronic | |

Section 16

MISCELLANEOUS INFORMATION

The information set forth herein has been gathered from standard reference materials and/or supplier test data and is, to the best knowledge and belief of Uniplas, Inc., accurate and reliable. Such information is offered solely for your consideration, investigation and verification, and it is not suggested or guaranteed that the hazard precautions or procedures mentioned are the only ones that exist. Uniplas, Inc. makes no warranties, expressed or implied, with respect to the use of such information or the use of the specific material identified herein in combination with any other material or process, and assumes no responsibility therefore.

END OF MSDS