



## Material Safety Data Sheet

### Section 1: PRODUCT AND COMPANY IDENTIFICATION

Flint Trading, Inc.  
115 Todd Court  
Thomasville, NC 27360

Company Phone Number: (336) 475-6600  
24-Hour Emergency Phone: 1-800-424-9300 CHEMTREC

Product Name: **DuraTherm™**

Issue Date: Revised Date: 08/17/2010

Product Use: Intended Use: Pavement Marking  
Specific Use: Pavement Marking

### Section 2: HAZARDS IDENTIFICATION

Emergency Overview: Form: Solid plastic sheet Odor: No distinguishable odor

Immediate health, physical, and environmental hazards: The environmental properties of this product present a low environmental hazard. This product, when used under reasonable conditions and in accordance with the Flint Trading, Inc. directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

Potential Health Effects: See Section 11 for more information

Primary Route of Entry: Not Applicable

Skin Contact: Not relevant for cold product. Molten or heated thermoplastic material can cause serious burns to unprotected skin. Immediately immerse in or flush area with large amounts of cold water. Do not attempt to remove product from skin. Get prompt medical attention.

Eyes: Not relevant for cold product. For contact with molten material or if exposed to excessive levels of dust created by cutting, sanding, grinding or machining, immediately flush eyes with plenty of water for at least 15 minutes.

Inhalation: Not relevant for cold product. If exposed to excessive levels of dust or fumes, Remove to fresher air and get medical attention if symptoms develop.

Ingestion: Do not induce vomiting. Give milk or water. Get medical attention.

Chronic: None known

### Section 3: COMPOSITION INFORMATION

Component	CAS #	TLV	STEL	PEL	CONTENT.
Pigments	Unknown				1 – 12%
Alkyd Resin	68333-62-0				5 – 20%
Polymers	Unknown				5 – 20%
Diisononyl Phthalate (DINP)	28553-12-0				0.5 - 10%
Fumed Silica	99439-28-8				0.1 – 5%
Fillers	Unknown				20 – 55%
Glass beads	99439-28-8				≥ 30%

## Section 4: FIRST AID MEASURES

Inhalation:	If exposed to excessive levels of dust created by cutting, sanding, grinding or machining or fumes, remove to fresher air and get medical attention if symptoms develop.
Eyes:	For contact with molten material or if exposed to excessive levels of dust created by cutting, sanding, grinding or machining, immediately flush eyes with plenty of water for at least 15 minutes.
Skin:	For contact with molten material, immediately immerse in or flush area with large amounts of cold water. Do not attempt to remove product from skin. Get prompt medical attention.
Ingestion:	Do not induce vomiting. Give milk or water. Get medical attention.

## Section 5: FIRE FIGHTING MEASURES

Flash Point:	500° F
Auto-ignition Temperature:	Not Determined
Limits of Flammability:	LEL: Not Determined UEL: Not Determined
Extinguishable Media:	Water, Water Spray, Dry Chemical, Foam or CO2
Special Fire & Unusual Hazards:	Fire fighters should wear self-contained breathing apparatus in the positive pressure mode with full-face piece when there is the possibility of exposure to smoke, fumes or hazardous decomposition products. The application of high velocity water will spread the burning material. May emit toxic fumes when burning.

## Section 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures:	Collect or scrape up. Allow molten hot materials to solidify.
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## Section 7: HANDLING AND STORAGE

Handling:	Avoid skin contact with molten or heated thermoplastic material at all times  Practice good personal hygiene.  Avoid breathing of dust created by cutting, sanding, grinding or machining. This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.
Storage:	Store in a cool dry place.

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protection:	Leather or equivalent protective gloves are recommended. Protective work clothes that cover skin and industrial work shoes. Practice good personal hygiene.  Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection. Avoid breathing of dust created by cutting, sanding, grinding or machining.  Use with appropriate local exhaust ventilation. Provide appropriate local exhaust for cutting, grinding, sanding or machining. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control dust, fume, or airborne particles. If ventilation is not adequate, use respiratory protection equipment.
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**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point:	Not Applicable	Solubility in Water:	Not soluble
Melting Point:	228° F - 255° F	Specific Gravity:	1.9 – 2.0
Vapor Pressure @ 20C:	Not Applicable	Evaporation Rate:	Not Applicable
Vapor Density:	Not Applicable	Odor:	No distinguishable
Appearance:	Solid Plastic Sheet		

**Section 10: STABILITY AND REACTIVITY**

Stability: Material is stable.

Hazardous Decomposition Products: This product is not a hazardous chemical as defined by the OSHA Hazard Communication Standard, CFR TITLE 29 1910-1200. However thermal processing and decomposition fumes from this product may be hazardous.

Hazardous Polymerization: Will not occur

**Section 11: TOXICOLOGY INFORMATION**

This product is not a hazardous chemical as defined by the OSHA Hazard Communication Standard, CFR TITLE 29 1910-1200.

**Section 12: ECOLOGICAL INFORMATION**

This substance does not leach metals or other RCRA (Resource Conservation and Recovery Act) listed TCLP (Toxic Characteristic Leaching Procedure) hazardous substances at concentrations that would make the product a hazardous waste.

**Section 13: DISPOSAL CONSIDERATIONS**

Waste Disposal Method: Handle disposal of waste material in a manner which complies with local, state, province, and federal regulations.

Landfill if solidified or incinerate at agency approved waste-disposal facility

**Section 14: TRANSPORTATION INFORMATION**

U.S. Department of Transportation Proper Shipping Name: Pavement Markings

Refer to Bill of Lading and Package Labels

**Section 15: REGULATORY INFORMATION**

Contact Flint Trading, Inc. for more information.

**Section 16: OTHER INFORMATION**

NFPA Hazard Classification

Health: 0      Flammability: 1      Reactivity: 0      Special Hazards: None

Contact Flint Trading, Inc. for more information.

The information given herein is given in good faith. No warranty, expressed or implied, is made regarding the accuracy of these data or the results obtained from the use thereof. All materials may present unknown health hazards and must be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.