



MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DURACETAL™

PRODUCT CATEGORY: Thermoplastic Dental Resin

MANUFACTURER THE MYERSON COMPANY LIMITED

ADDRESS: 3 TRINITY AVENUE
LAVENTILLE
TRINIDAD

CONTACT NAME AND Cindy Buchoon-Legendre

NUMBERS: Tel: (868) 623 1007
Fax: (868) 627 4594
cbuchoon@myersontooth.com
Website: www.myersontooth.com

ISSUE DATE: April 29th 2011



MATERIAL SAFETY DATA SHEET

SECTION 2: INFORMATION ON COMPOSITION AND SUBSTANCES

Ingredients	CAS#	Approx % weight
Polyoxymethylene Copolymer (Acetal Copolymer)	9002-81-7	N/A

Hazardous substances: * All components of this product are either listed on or exempt from listing on the TSCA Inventory. No hazardous ingredients known at this time**

SECTION 3: HAZARD DATA

Hazard Ratings: Health: 0 Fire: 1 Reactivity: 0

Permissible Exposure Level:

Formaldehyde (A decomposition product)

PEL (OSHA) 0.75 PPM, 0.92 mg/m³, 8 HR TWA

STEL: 2 ppm

TLV (ACGIH) Ceiling 0.3 ppm, 0.37 mg/m³

SECTION 3: HAZARD DATA (Continued)

***This is a polymeric compound. All ingredients are encapsulated by the polymer and present no likelihood of exposure under normal conditions of processing and handling.

Effects of Overexposure

Acute or Immediate Effects:

Ingestion: Not a probable route of exposure.



MATERIAL SAFETY DATA SHEET

Skin: Pellets are not likely to cause irritation. Contact with molten material may cause thermal burns. Processing fumes may cause irritation.

Eye: Solid/dust may cause irritation due to mechanical action. Processing fumes may cause a burning sensation and tearing of the eyes.

Inhalation: Formaldehyde may cause respiratory sensitization, and has been listed as a potential carcinogen by OSHA, ACGIH, IARC, and NTP. Formaldehyde should not pose a risk if exposures and temperatures are kept below permissible limits

SECTION 4: FIRST AID PROCEDURES

Inhalation: Leave exposed area and seek fresh air. If irritation persists seek medical attention.

Skin Contact: Wash with soap and water. For thermal burns, immediately flush with cold water. Do not attempt to remove polymer from skin. Obtain medical Attention.

Eye Contact: Flush with cool running water. Contact Physician if symptoms persist

Ingestion: Not a likely route of exposure

SECTION 5: FIREFIGHTING MEASURES

Flammability: Class 1

Flash point: Not Applicable

UEL: None



MATERIAL SAFETY DATA SHEET

LEL:	None
Extinguishing media:	Water Spray or Foam recommended.
Hazardous combustion products:	Formaldehyde, Carbon Monoxide, Carbon dioxide, trioxane, paraformaldehyde, and formic acid.
Fire fighting procedure:	NIOSH approved self contained breathing apparatus and full body protection.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Spills: Spilled pellets can pose slipping hazards. In case of spill sweep or vacuum immediately.

SECTION 7 : HANDLING AND STORAGE

Store in a dry sprinkler equipped warehouse.

Proper purging and shut down procedures should be followed to avoid overheating of this compound.

SECTION 8: CONTROL AND PROTECTIVE MEASURES

Respiratory Protection: A NOISH approved respirator is recommended for protection against processing fumes, or from dust generated from grinding, sanding, or sawing operations.

Ventilation: Local exhaust is preferred



MATERIAL SAFETY DATA SHEET

- Protective Gloves:** Canvas or cotton gloves are recommended.
- Eye Protection:** Safety glasses with side shields are recommended.
- Other Protective Equipment:** Lab Coat / Coveralls

SECTION 9: PHYSICAL / CHEMICAL CHARACTERISTICS

- Boiling Range:** None
- Vapor Density:** Non Volatile
- Evap. Rate:** Unavailable
- Specific Gravity:** 1.41
- Volatiles:** Not volatile
- Volume %:** Not applicable
- Weight %:** Not applicable
- Appearance:** Opaque Cylindrical Pellets
- Odor:** None

SECTION 10: STABILITY AND REACTIVITY

- Stability:** Stable
- Hazardous Polymerization:** Will not occur
- Incompatibility:** Incompatible with; strong oxidizing agents, acid bases, halogenated polymers such as PVC and PVDC at processing temperatures.
- Decomposition:** Formaldehyde, Carbon Monoxide, Carbon dioxide, trioxane, paraformaldehyde, Formic acid.



MATERIAL SAFETY DATA SHEET

Note: Avoid temperatures above 238 C (460 F). Avoid Prolonged Temperatures above 193 C (380 F).

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity Data: No specific toxicological information is available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No specific ecological information is available. This material is considered to be non-biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: The pellets regrind, and purge of this material are non-hazardous and may be discarded in accordance with state, federal, and local regulations.

SECTION 14: TRANSPORT INFORMATION

D. O. T. Shipping Information: Not regulated under US Department of Transportation.

SECTION 15: REGULATORY INFORMATION

SARA title III Section 313:

This product does not contain any known toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right To Know Act of 1986 and of 40 CFR 372



MATERIAL SAFETY DATA SHEET

SECTION 16: OTHER INFORMATION

MSDS Disclaimer

Myerson LLC, believes that the information contained herein is accurate as of the date hereof. HOWEVER, NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREIN AS TO THE INFORMATION PROVIDED OR THE PRODUCT TO WHICH THE INFORMATION REFERS. The health and safety precautions contained herein may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. Nothing contained herein shall be construed as a license for the use of any product in a manner that would infringe existing patents.
