



SAFETY DATA SHEET

Revision: OCTOBER 13 2021

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	DURACETAL™
PRODUCT CATEGORY:	Thermoplastic Dental Resin (beads and discs) A1,A2,A3,A3.5,A4,B1,B2,B3,B4,C1,C2,C3,C4 D1,D2,D3,D4,G1,G2,G3,P1,P2,P3 For professional use only
MANUFACTURER	THE MYERSON COMPANY LIMITED
ADDRESS:	3 TRINITY AVENUE LAVENTILLE TRINIDAD AND TOBAGO
CONTACT NAME AND INFORMATION:	Myerson LLC Tel: 800 423 2683 Website: www.myersontooth.com



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SECTION 2: HAZARD DATA

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Signal Word

Warning



Molten material may cause thermal burns

Hazards not otherwise classified (HNOC)

None identified

SECTION 3: INFORMATION ON COMPOSITION

Material Name	CAS#	Approx % weight
Polyoxymethylene Copolymer (Acetal Copolymer)	24969-26-4	99 - 100
Pigments	Mixture	< 1.0

SECTION 4: FIRST AID PROCEDURES



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Inhalation:

Remove to fresh. If not breathing, give artificial respiration.

If breathing is difficult give oxygen and continue to monitor. Seek medical attention

Skin Contact

For hot products, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat.

Cover with clean cotton sheeting or gauze and get medical attention.

No attempt should be made to remove material from skin or to remove contaminated clothing

Eye Contact:

For contact with molten product, flush immediately with plenty Cool water for at least 20minutes. Get medical attention.

Ingestion:

First aid is not normally required.

SECTION 5: FIREFIGHTING MEASURES

Flammability Class 1

Flash point: Not Applicable

UEL: No Data

LEL: No Data

Extinguishing media: Water spray, Carbon Dioxide, Dry Chemical

Hazardous combustion products: Formaldehyde, Carbon Monoxide, Carbon dioxide, trioxane, paraformaldehyde, and formic acid

Fire fighting procedure

Use of fresh air equipment such as Self Contained Breathing Apparatus (SCBA) Supplied Air Respirators should be worn for fire fighting if exposure or potential exposure to products of combustion is expected. Wear structural firefighting gear.



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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

HANDLING

Avoid breathing vapors from heated material. Follow MSDS/label precautions even after the container is emptied because it may retain product residue. Minimize generation of dust or fine particulates.

STORAGE

Store this material in a cool dry place.

SECTION 8: CONTROL AND PROTECTIVE MEASURES

Respiratory Protection:

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

Ventilation:

Local exhaust is preferred

Protective Gloves:

Canvas or cotton gloves are recommended.

Eye Protection:

Safety glasses with side shields are recommended.

Other Protective Equipment: Lab Coat / Coveralls



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SECTION 9: PHYSICAL / CHEMICAL CHARACTERISTICS

Melting Point: 168 °C

Vapor Density: Not applicable

Evap. Rate: Not applicable

Density g/cm³: 1.4

Volatiles: Not volatile

Volume %: Not applicable

Weight %: Not applicable

Appearance: Opaque cylindrical beads or discs

Odor: Odorless

SECTION 10: STABILITY AND REACTIVITY

Stability

Stable

Hazardous

Decomposition

Combustion may produce carbon monoxide, carbon dioxide and other asphyxiants.

Polymerization

Will not occur

Incompatibility

Strong Oxidizers



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SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

CARCINOGENICITY:

None of the ingredients of this product are listed as a carcinogen by IARC, NTP, OSHA, MAK, or GHS.

SKIN CORROSION / IRRITATION: No Information

SERIOUS EYE DAMAGE / IRRITATION: Direct eye contact may cause irritation.

RESPIRATORY OR SKIN SENSITIZATION: No Information

GERM CELL MUTAGENICITY: No Information

REPRODUCTIVE TOXICITY: No Information

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE: No Information

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE: No Information

ASPIRATION HAZARD: No Information

Practical Experiences for the beads:

EFFECT OF OVEREXPOSURE - INHALATION: Processing fumes may cause irritation to the respiratory tract. Formaldehyde, which may be released if overheated, may cause irritation to the respiratory tract. An irritating odor may be noted.

EFFECT OF OVEREXPOSURE - SKIN CONTACT: Pellets are not likely to cause irritation. Contact with molten material may cause thermal burns. Processing fumes may cause irritation.

EFFECT OF OVEREXPOSURE - EYE CONTACT: Processing fumes may cause a burning sensation and tearing of the eyes.

EFFECT OF OVEREXPOSURE - INGESTION: Not a probable route of exposure. Ingestion may cause gastric disturbances.

Note: the following have been confirmed from biocompatibility testing:

This product does not cause cytotoxicity.

This product is not an irritant.

This product is not a sensitizer.

This product does not cause subchronic toxicity.



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SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No specific ecological information is available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method:

The regrind, milling chips from the discs 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 the US Department of Transportation.

SECTION 15: REGULATORY INFORMATION

SARA 313 Not applicable

SARA 311/312 Hazard Categories See section 2 for more information

CWA (Clean Water Act) Not applicable

Clean Air Act Not applicable

OSHA - Occupational Safety and Health Administration Not applicable

CERCLA California Proposition 65 This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations U.S. Department of Transportation

Reportable Quantity (RQ): N

DOT Marine Pollutant N

DOT Severe Marine Pollutant N



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U.S. Department of Homeland Security This product does not contain any DHS chemicals.

Other International Regulations

Mexico Grade - No information available

SECTION 16: OTHER INFORMATION

SDS Disclaimer

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