



MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DURAFLEX™

PRODUCT CATEGORY: Thermoplastic Dental Resin

MANUFACTURER THE MYERSON COMPANY LIMITED

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SECTION 2: INFORMATION ON COMPOSITION AND SUBSTANCES

Ingredients	CAS#	Approx % weight
Ethylene Propylene Copolymer	9010-79-1	100
Red 38	6358-87-8	0.80g
Red 101	1309-37-1	0.80g
Brown 6	52357-70-7	6.71g

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:

	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>
NFPA	1	1	0
HMIS	0	1	0

Permissible Exposure Level:

TLV (ACGIH)Ceiling : 10mg/m³



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SECTION 3: HAZARD DATA (Continued)

EMERGENCY OVERVIEW

CAUTION!! Combustible particle solids (combustible dust) of sufficiently small particle size when suspended in the air in the presence of an ignition source can result in a fire or explosion. Adequate housekeeping and control of ignition source should be provided.

EFFECTS OF OVEREXPOSURE

Target Organs: Lungs, skin

ACUTE OR IMMEDIATE EFFECTS:

INGESTION: No effect expected if product is ingested

LD50mg/kg: No data

SKIN: Contact with heated product may cause thermal burns.

Draize Skin Score: No data out of 8.0

LD50mg/kg: No data

EYES: Contact with heat product may cause thermal burns. Slight irritation from with from contact with pellets. Possible irritation from fumes, vapors or smoke from thermal processing.



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SECTION 3: HAZARD DATA (Continued)

INHALATION:

Inhalation of fumes, vapors and smoke from thermal processing may cause irritation from contact with pellets. Symptoms may include burning sensation, coughing and sore throat.

LC50 (mg/l): No data

LC50 (mg/3): No data

LC50 (ppm): No data

SECTION 4: FIRST AID PROCEDURES

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 product, 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 remove material from skin or to remove contaminated clothing as the damaged flesh can be easily torn.

Eye Contact: For contact with molten product, flush immediately with plenty of Cool water at least 20minutes. Get medical attention.

Ingestion: First aid not normally required.



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SECTION 5: FIREFIGHTING MEASURES

Flammability: No Data

Flash point: No Data

UEL: No Data

LEL: No Data

Extinguishing media: Water spray, Carbon Dioxide, Dry Chemical

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 fire fighting gear.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

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



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SECTION 7 : HANDLING AND STORAGE

HANDLING

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

STORAGE

Store in a cool dry place.

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

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:	140-150 °C
Vapor Density:	No data
Evap. Rate:	No data
Specific Gravity:	0.89-0.91
Volatiles:	No data
Volume %:	No data
Weight %:	No data
Appearance:	pink pellets
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

Toxicity Data: No specific toxicological information is available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No specific ecological information is available

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.



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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

SECTION 16: OTHER INFORMATION

MSDS Disclaimer

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