

Rev 7/10/2023 Page 1 of 8

#### **SECTION 1 IDENTIFICATION AND UNDERTAKING**

**PRODUCT NAME:** DURAFLEX™

**PRODUCT CATEGORY:** Thermoplastic Dental Resin (BEADS AND DISCS)

FOR PROFESSIONAL USE ONLY

THE MYERSON COMPANY LIMITED

MANUFACTURER: #3 TRINITY AVE LAVENTILLE

TRINIDAD AND TOBAGO

CONTACT NAME MYERSON LLC

TEL: 800-423 2683

WEBSITE:www.myersontooth.com

## **SECTION 2 HAZARD IDENTIFICATION**

**Pictogram** 

Signal word:

**WARNING** Molten material may cause burns

GHS07

Hazards not otherwise classified:

None Identified



## **SECTION 3 COMPOSITION /INFORMATION ON INGREDIENTS**

MATERIAL NAME	CAS#	APPROX WEIGHT %
Ethylene Propylene Copolymer	9010-79-1	99.9750%
Iron Oxide pigment	1309-37-1	0.0044%
Bamboo Black pigment	7440-44-0	0.0013%
Organic red 202	5281-04-9	0.00144%

## **SECTION 4 FIRST AID MEASURES**

**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 the skin or to remove contaminated clothing

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

medical attention.

**Ingestion:** First aid is not normally required.





Rev 7/10/2023 Page 3 of 8



#### **SECTION 5 FIRE FIGHTING MEASURES**

Flammability: Class 1

Flashpoint: Not Applicable

No Data

**UEL:** 

LEL: No Data

**Extinguishing media:** Water spray, Carbon Dioxide, Dry Chemical

**Hazardous combustion** 

products

Formaldehyde, Carbon Monoxide, Carbon dioxide, trioxane, paraformaldehyde, and formic acid

Firefighting procedure: Use of fresh air equipment such as Self-Contained Breathing Apparatus (SCBA) Supplied Air.

Respirators should be worn for firefighting if exposure or potential exposure to products of

combustion is expected. Wear structural firefighting gear.

#### **SECTION 6 ACCIDENTAL RELEASE MEASURES**

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

# **SECTION 7 HANDLING AND STORAGE**

Handling Avoid breathing vapours from heated material. Follow MSDS/label precautions even after the container is

emptied because it may retain product residue. Minimize the generation of dust or fine particulates.

**Storage** Store this material in a cool dry place.



Rev 7/10/2023 Page 4 of 8



# **SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**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

#### **SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point: 140-150°C

Vapor Density: Not applicable

**Evap. Rate:** Not applicable

Specific Gravity 0.89-0.91

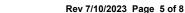
Volatiles: Not volatile

**Volume %:** Not applicable

Weight %: Not applicable

**Appearance:** Shaded beads or discs

Odor: odourless





#### **SECTION 10 STABILITY AND REACTIVITY**

Stability Stable

Hazardous

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

Decomposition Polymerization

Will not occur

**Incompatibilty** Strong Oxidizers

# **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 No Information

**SPECIFIC TARGET ORGAN TOXICITY - REPEATED** 

**EXPOSURE:** 

No Information

ASPIRATION HAZARD No Information

**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 odour 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.





Rev 7/10/2023 Page 6 of 8

**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.

#### **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 TRANSPORTATION INFORMATION**

Not regulated

DOT classification:

Not regulated

IATA

Not regulated





Rev 7/10/2023 Page 7 of 8

## **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



## **SECTION 16 OTHER INFORMATION**

SDS Disclaimer

The Myerson Company Limited 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.

