MATERIAL SAFETY DATA SHEET

1.) PRODUCT & COMPANY IDENTIFICATION

TRADE NAME: ***DirectCrown Powder***

MANUFACTURER: DirectCrown, LLC
895 Country Club Road, Suite B-100
Eugene, OR 97401

VERSION NUMBER: 2
MSDS NUMBER: 23205
PRODUCT CODE: 23205

PHONE NUMBER:	24 Hour Emergency Assistance:	PHONE NUMBER:	General Assistance
Infotrac:	800-535-5053	Customer Service:	888-910-4490
Infotrac Int'l:	352-323-3500	Fax:	541-431-1187

2.) COMPOSITION INFORMATION

Ingredient Name	CAS Number	Concentration*	Exposure Limits/ Health Hazards
Poly (Ethyl Methacrylate/Methyl Methacrylate) Particulates NOC			10 mg/m3 8 Hr. TWA, Skin TLV (ACGIH) mg/m3 TLV (ACGIH) 15 MG/M3 OSHA PEL/
Plasticized Methacrylate Polymer N.A.			Particulates NOC – CAS Reg. No. NE 10 mg/m3 OSHA PEL / 15 mg/m3 (ACGIH) TLV Residual Monomer – CAS Reg. No. NE 5 mg/m3 OSHA PEL / 5 mg/m3 (ACGIH) TLV Dialkyl Phthalate – CAS Reg. No. NA 10 mg/m3 OSHA PEL / 6 mg/m3 (ACGIH) TLV Trade Secret – CAS Reg. No. 10 mg/m3 OSHA PEL / 6 mg/m3 (ACGIH) TLV
Proprietary Frit Filler	65997-18-4		Fluorides, as F 2.5 mg/m3 OSHA PEL / 2.5 mg/m3 (ACGIH) TLV / 2.5 mg/m3 CAL-OSHA PEL Zirconium Compounds, as Zr 5.0 mg/m3 OSHA PEL / 5.0 mg/m3 (ACGIH) TLV / 5.0 mg/m3 CAL-OSHA PEL Particulates NOC 10.0 mg/m3 OSHA PEL / 10.0 mg/m3 (ACGIH) TLV / 10.0 mg/m3 CAL-OSHA PEL
Titanium Dioxide	13463-67-7		Total Particulate Dust: 15 mg/m3 OSHA PEL / 10 ppm – TWA ACGIH TLV Respirable Particulate: 5 mg/m3 OSHA PEL / 5 mg/m3 TLV (ACGIH)
Benzoyl Peroxide	Mixture		5 mg/m3 OSHA PEL / 5 mg/m3 TLV (ACGIH) 15 mg/m3 OSHA PEL / 10 mg/m3 TLV (ACGIH)

HAZARD RATING		
4 = Extreme	Health:	1
3 = High	Flammability:	1
2 = Moderate	Reactivity:	0
1 = Slight	Special:	
0 = Insignificant		

* Values do not reflect absolute minimums & maximums. These values are typical and may vary from time to time.

3.) FIRE & EXPLOSION HAZARD INFORMATION

Extinguishing Media - Use alcohol foam, dry chemical, water spray, or CO_2 to extinguish fire or flame.
Basic Fire Fighting Procedures - Evacuate area and extinguish smoke/flame from a safe distance. Wear self-contained breathing apparatus and full protective clothing.
Basic Fire Fighting Procedures - Evacuate area and fight fire from a safe distance. Wear self-contained breathing apparatus and full protective clothing.
Unusual Fire & Explosion Hazards - Vapors can travel to a source of ignition and flash back. Provide adequate ventilation.

Flash Point:	**579°F**
Auto-ignition Temperature:	**N/A**
Flammability Limits in Air, Lower, % by Volume	**N/A**
Flammability Limits in Air, Lower, % by Volume	**N/A**

4.) HEALTH HAZARDS IDENTIFICAITON (Keep out of reach of Children!)

Potential Health Effects – Skin:
Nuisance particles may cause skin irritation.
Potential Health Effects – Eyes
Nuisance particles may cause eye irritation.
Potential Health Effects – Inhalation
Gross overexposure to nuisance particles, regardless of how generated, may cause irritation of the respiratory tract. If affected by inhalation, remove effected person from affected area into area with "fresh air". If effected person has difficulty breathing, consult physician immediately.

5.) FIRST AID INFORMATION

Skin – Wash affected skin areas with mild soap & water. Consult physician if skin irritation persists past 24 hours.
Eyes – Flush eyes with copious amounts of water for at least 15 minutes. Consult physician in all cases of eye contact.
Inhalation – Move affected person to an area with "fresh air". If person affected has difficulty breathing, administer oxygen or provide artificial respiration and contact physician or medical facility immediately.
Ingestion – Ingestion of small quantity of this material will not cause harmful side effects.

6.) REACTIVITY INFORMATION

Stability/Incompatibility – Stable, avoid contact with strong acids and oxidizing agents.
Hazardous Reactions/Decomposition Products – Some organic ester may be generated by decomposing of the polymer and may contain methacrylates. Other decomposition products include carbon monoxide and organic acids, aldehydes and alcohol.
Hazardous Polymerization – Will not occur.

7.) SPILL or LEAK PROCEDURE INFORMATION

Spill or Leak Procedure – Sweep up carefully to prevent slipping hazard.

8.) SPECIAL PROTECTION INFORMATION

Eye Protection – Personal Protection Equipment (PPE). Users of this material are required to wear eye protection.
Skin Protection – Personal Protection Equipment (PPE). Users should wear protective gloves during standard dental procedures for infections control purposes (not necessarily associated with this product).
Respiratory Protection – Personal Protection Equipment (PPE). None is required if user is working in well-ventilated area that is in normal working condition.

9.) STORAGE & HANDLING EQUIPMENT

Handling - Avoid exposing this material to temperatures above 299°C (570°F)
Storage – Observe all label precautions. Minimum: no light, Maximum: Ambient light. Store this container in a moisture-free, dry area. Keep the container's lid on securely to prevent moisture contamination.

10.) MISCELLANEOUS INFORMATION

Disclaimer: The above information is based on the data of which we are aware and believe is correct as of the date noted on this form. Since this information may be applied under conditions beyond our control, with which we may be unfamiliar (and with the data made available subsequently to the date hereof with modifications), we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his/her own determination of the suitability of the material and for its particular application. This material is ONLY to be used by a licensed dental professional under the supervision of an accredited dentist.