

MATERIAL SAFETY DATA SHEET

1.) PRODUCT & COMPANY IDENTIFICATION

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

VERSION NUMBER: 2
MSDS NUMBER: 22500
PRODUCT CODE: 22500

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

2.) COMPOSITION INFORMATION

Ingredient Name	CAS Number	Concentration*	Exposure Limits/ Health Hazards
Methyl Methacrylate	000080-62-6		100 ppm – TWA OSHA 100 ppm – TWA ACGIH
Thermosetting	001565-94-2		None – OSHA-PEL mg/m3 TLV (ACGIH) None – TLV (ACGIH)
TRIETHYLENE GLYCOL DIMETHACRYLATE ESTERS	109-16-0		10 mg/m3 (ACGIH) TLV 15 mg/m3 OSHA PEL /
2-(2-HYDROXY-3, 5-Di-Tertamylphenyl) Benzotriazole	25973-55-1		A PEL or TLV has not been established.
2-Hydroxy-4-n- octoxybenzophenone	1843-05-6		A PEL or TLV has not been established.

* 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 CO₂ 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: 50°F
Auto-ignition Temperature: 421°F
Flammability Limits in Air, Lower, % by Volume 2.1
Flammability Limits in Air, Lower, % by Volume 12.5

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

4.) HEALTH HAZARDS IDENTIFICATION – Keep out of reach of Children!

Potential Health Effects – Skin:

May cause irritation to skin. Exposure of the un-polymerized liquid to the skin may cause an allergic reaction in some individuals.

Potential Health Effects – Eyes

May cause moderate irritation if exposed to eyes.

Potential Health Effects – Inhalation

May cause slight to moderate irritation to nose, throat and lungs if user is overexposed to liquid vapors.

Prolonged exposure to liquid vapors may lead to headache, nausea, drowsiness and or unconsciousness.

Potential Health Effects – Ingestion

There is no risk of ingestion under normal use of this material; however, if this liquid is purposely ingested GET IMMEDIATE MEDICAL ATTENTION FOR THE AFFECTED PERSON.

5.) FIRST AID INFORMATION

Skin – Remove all contaminated clothing and launder thoroughly before wearing. Wash any affected skin immediately with mild soap and water. Consult a physician if irritation to skin persists.

Eyes – Remove contact lenses (if being worn) and 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 – If person is conscious & alert, have him/her drink 1-3 glasses of water to dilute the liquid in the stomach. If the person is unconscious, DO NOT administer any water or other material into his/her mouth. GET IMMEDIATE MEDICAL ATTENTION FOR THE AFFECTED PERSON.

6.) REACTIVITY INFORMATION

Stability/Incompatibility – Stable under normal conditions of use. Incompatible with strong oxidizing agents, mineral acids and reducing agents.

Hazardous Reactions/Decomposition Products – May form carbon dioxide and carbon monoxide.

Hazardous Polymerization – May occur.

7.) SPILL or LEAK PROCEDURE INFORMATION

Spill or Leak Procedure – Clean up any small spill immediately. In case of large spill, isolate area and deny general entry until spilled liquid is completely cleaned up and the area is removed of any/all vapors.

Waste Disposal – All waste material created from spill removal should be disposed of according to federal, state, provincial and local regulations regarding this material.

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 of this material should wear protective gloves and clothing while using this material (which may also be required during standard dental procedures for infections control purposes).

Respiratory Protection – Personal Protection Equipment (PPE). Local exhaust ventilation may be necessary to control any air contaminants to within their TLV's during the use of this product. Use the product in an appropriately ventilation system

9.) STORAGE & HANDLING EQUIPMENT

Handling – Store in tightly closed containers in a cool, dry place with other similar dental materials (away from the heat, sources of ignition and/or incompatible materials. Wash hands thoroughly before eating, drinking or smoking. Use the liquid in a well-ventilated area.

Storage – Store this product within its original container with the lid firmly attached (away from sources of extreme heat, light or sources of ignition).

Engineering Controls – Use this material in well-ventilated areas.

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.