

Product Name: Heliomolar 210/A3/U
Part Number: 52-100-01

MATERIAL SAFETY DATA SHEET

SECTION 1 – Product Identification and Use

Product Trade Name: Light and Self-Cure Dental Resins
Division Name: Ivoclar North America, Inc.; Ivoclar/Vivadent; Ivoclar/Williams
Address: 175 Pineview Dr.
City State Zip: Amherst, NY 14228
Division Name: Ivoclar North America, Inc.; Ivoclar/Vivadent Canada;
Ivoclar/Williams Canada
Address: 23 Hannover Drive
City State Zip: St. Catharines, Ontario L2W1A3
For Emergency Only: **In U.S.A., call Infotrac:** 1-800-535-5053
In Canada, call Canutec: 613-996-6666

Associated Products

Helimolar
Helioprogress
Heliotint
Heliolink
Heliolink Catalyst #
Dual Cement *
Dual Cement Catalyst *#
EOS *
Heliosit Orthodontic
Isopast #
Fermit
Fermit N

Products Codes

6150100
6130400
6131300
6099000
6099000
6099000
6099000
6100000
6070200
6210100
6099000
6099000

SECTION 2 – Hazardous Ingredients

<u>Component</u>	<u>% Range</u>	<u>CAS #</u>	<u>PEL</u>	<u>TLV</u>	<u>LD50/LC50/TDL_o</u>
Mono and Di Methacrylates	40-70	n.av.	n.av.	n.av.	n.av.
Silica, Amorphous Fumed	40-70	7631-86-9	n.av.	0.1 mg/m ³	n.av.
*Ytterbium Trifluoride	10-30	n.av.	n.av.	n.av.	n.av.
Titanium Dioxide	0.5-1.5	13463-67-7	15.0	10	360 mg/kg ims rat (TDL _o)
#Dibenzoyl Peroxide	0.1-1	94-36-0	5.0 mg/m ³	5.0 mg/m ³	n.av.

All products LD50 >5000 mg/kg (rat)

SECTION 3 – Physical Data

Boiling Point (°C): n.ap.
Melting Point (°C): n.ap.
pH: n.ap.
Vapor Pressure (mm Hg): n.ap.

Vapor Density (air=1):	n.ap
Odor Threshold:	none
Specific Gravity (H2O=1, g/cm3):	1-2
Appearance and Odor:	Clear or tooth colored pastes and liquids, no odor

SECTION IV – Fire or Explosion Data

Flash point (° C):	>140
Autoignition Temperature(° C):	n.ap.
Flammabe Limits % in Air:	Upper: n.av. Lower: n.av.
Extinguisher Media:	Foam, CO2, Dry Chemical
Other Fire and Explosion Hazards:	none
Hazardous Combustion Products:	None

SECTION 5 – Reactivity Data

Chemical Stability:	Stable
If no, Under What Conditions?:	n.ap.
Incompatibility With Other Substances:	Yes
If so, Which Ones?:	Will polymerize under high heat, sunlight
Reactivity, and Under Which Conditions:	Slow polymerization when exposed to heat, daylight
Hazardous Polymerization:	Will not occur

SECTION 6 – Toxicological Properties

Primary Route(s) of Entry:	ingestion, inhalation, eyes
Symptoms of Acute Exposure:	All uncured resins may irritate skin and mucous membranes.
Symptoms of Chronic Exposure:	Irritation to uncured resins, or mechanical irritation from dust or grindings.
Medical Conditions Generally Aggravated by Exposure:	Resin Allergies
Cardinogen, or Potential Carcinogen:	No
NPT:	No
IARC:	No
OSHA Reg.:	No
Teratogenicity:	No
Reproductive Toxicity:	No
Embryo Toxin:	No
Sensitization:	No

SECTION 7 – Preventive Measures

Eyes:	Safety glasses
Gloves:	For aseptic procedures
Ventilation:	Use local exhaust ventilation when cutting or grinding.
Respiratory Protection:	Dust mask while cutting or grinding.

Leak and Spill Procedure: Sweep and collect solids, absorb liquids with sand and collect for disposal.
Waste Disposal Methods: Dispose of according to all local, state, provincial, and federal environmental regulations.
Storage: Store in a cool, dark area.
Other Preventive Measures: Avoid inhalation of grindings and long skin contact with uncured resins.
Shipment: UN# n.ap.

SECTION 8 – First Aid Measures

Inhalation: Remove to fresh air; if not breathing give artificial respiration; if breathing is difficult, give oxygen; seek medical assistance.
Ingestion: Seek medical attention, small amounts are not a known hazardous condition.
Eyes: Flush area with water for 15 minutes, seek medical attention.
Skin: Wash affected area with soap and water, not a known hazardous condition.

SECTION 9 – Preparation Data

Prepared by: Lloyd V. Ziemendorf (716) 691-0010
Date: July 14, 1994
Ref: GLS 03/01/91

Disclaimer: The information and recommendations are taken from sources believed to be accurate; however, Ivoclar North America makes no warranty with respect to the accuracy of the information or the suitability of the recommendation and assumes no liability to any user thereof.

NFPA HAZARD CLASSIFICATIONS	
Health	
Flammability	
Reactivity	
Specific Hazard	

NFPA – National Fire Protection Association
N.A. – Not Applicable
N.E. – Not Established

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