CHRISTRIO
Manufacturer of Beauty Products
1950 Compton Ave. Ste. 103
Corona, CA. 92881
Phone: (951) 808 – 4730 Fax: (951) 808 – 4734

MATERIAL SAFETY DATA SHEET

Section I: Product and Company Identification

Product name: Gelacquer – Clear Builder Gel
Chemical Name: N/A

Family Name: UV GELS

Manufacturer: CHRISTRIO CORP.
1950 Compton Ave. #103
Corona, CA. 92881

Product Use: Professional use only

Emergency Phone #: 800 535- 5053
International Phone #: 1-352-323-3500
Information Contact: (951) 808 – 4730

Section II: Product composition/Ingredients

Chemical Identity/ INCI Name	CAS#	Exposure Limits OSHA TWA/STEL	Exposure Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/ OSHA	%
Di-HEMA Trimethylhexyl Dicarbamate	72869-42-4	N/E	N/E	Not Listed	75
HEMA	868-77-9	N/E	N/E	Not Listed	7
Hydroxycyclohexyl Phenyl ketone	947-19-3	N/E	N/E	Not Listed	1
Hydroxypropyl Methacrylate	27813-02-1	N/E	N/E	Not Listed	6
Trimethylolpropane Triacrylic Ester	3290-92-4	N/E	N/E	Not Listed	5
Isobornyl Methacrylate	7534-94-3	N/E	N/E	Not Listed	5
Violet2/CI60725	81-48-1	N/E	N/E	Not Listed	1

Hazard Symbols: Xi **Risk Phrases:** R22, R36/38, R43 **Safety Phrases:** S18, S24/25, S36/37, S38

N/E – None Established
N/R – Not Reviewed
ND/A – No Data Available
N/A – Not Available

Section III: Hazard Identification

EMERGENCY OVERVIEW

- May be slightly toxic.
- May cause moderate skin injury (reddening & swelling).
- May cause chemical burn in eye.

Potential Health Effects, Sign and Symptoms of Exposure:

Primary Route of Entry	No specific information is available.
Eye	No specific information available. Contains materials that are essentially nonirritating, but contact may cause slight transient irritation
Skin	No specific information available. Skin over exposure or prolonged contact may cause moderate skin injury (reddening and swelling) and/or sensitization in some sensitive of individuals. Since irritation may not occur immediately, contact can go unnoticed.
Ingestion	No specific information available. Contains materials that may practically nontoxic. However, it may cause gastrointestinal irritation with nausea, vomiting and diarrhea.
Inhalation	No specific information available. Low volatility makes vapor inhalation unlikely. Aerosol can be irritating.
Sub-Chronic effects	No specific information available. Limited tests showed no evidence of teratogenicity in animals. A life time skin painting study with a mice showed no evidence of carcinogenicity.

NOTE: Refer to Section 11, Toxicological Information for details.

Section IV: First Aid Measure

First Aid for Eye	Flush with plenty of lukewarm water for 15 minutes and seek medical attention immediately.
First Aid for Skin	Remove contaminated clothing and wash contact area with soap and water for 15 minutes. Get medical aid if symptom persisted. Wash clothing before reuse.
First Aid for Inhalation	In case of exposure to a high concentration of vapor or mist, remove person to fresh air. If breathing has stopped, administer artificial respiration and seek medical attention.
First Aid for Ingestion	Never give anything by mouth to an unconscious person. DO NOT induce vomiting. If conscious and alert, rinse mouth and drink 2 to 4 cupfuls of milk or water immediately and seek medical attention.

Section V: Fire fighting Measures

Flash Point (ºF/ºC)	**Flammable Limit** (Vol %)	**Auto-ignition Temperature** (Vol %)
>212ºF/100ºC Setaflash	ND/A	ND/A

Method:

Extinguishing Media:	Use dry chemical for small fires; aqueous foam or water for large fires.
Fire Fighting Instructions:	Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists.
Unusual Hazards:	High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of storage vessels or containers. Avoid the use of a stream of water to control fires since frothing can occur.

Section VI: Accidental Release Measures

Spill or Release Procedure:	Spontaneous polymerization can occur. Although material is non-flammable, please try eliminate all sources of heat and ignition. Soak up spill with inert solids (such as clay or vermiculite) and sweep/shovel into disposal container. Wash spill area with strong detergent and water solution; rinse with lukewarm water, but minimize water use during clean up. Do not flush to sewer! US Regulation (CERCLA) require reporting spills and release to soil, water, and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802. EU Regulations require the consultation of Directive 98/24/EC. If a leak or spill has not ignited, use water spray to disperse the vapors. Dispose and report per regulatory requirements if necessary. Please prevent washings from entering waterways.

Section VII: Handling and Storage

Handling:	Avoid contact with skin and eyes. Avoid breathing vapor. Keep container closed when not in use. Avoid prolonged exposure to light. Remove all contaminated clothing, shoes, belts and other leather goods immediately. Incinerate leather goods (including shoes). Wash contaminated clothing thoroughly before reuse. Wash skin thoroughly with soap and water after handling. Solvents should not be used to clean skin because of increased penetration potential .Most of acrylic monomers have low viscosities, thus only needing room temperature conditions to facilitate proper pouring techniques. However, viscous type gels such as these may require heating to facilitate proper pouring techniques. To ensure that this happens, product may be heated to 60ºC/140ºF for not more 24 hours. DO NOT use localized heat sources such as band heaters to heat/melt product. DO NOT use steam. Hot boxes or hot rooms are recommended for heating/melting material. The hot box and/or room should only be set to a maximum temperature of 60ºC/140ºF. DO NOT overheat, this may compromise product effectiveness and should be avoided. Refrain from multiple reheating of product, this will diminishing the quality of the product.
Storage:	Product is extremely light sensitive. If exposed to natural light or UV light, material will cure very quickly. Store in a cool, dry place,

away from heat and types of light. Store at temperatures below 100ºF/38ºC, but above the product's freezing point. If no freezing point is given, keep above 32ºF/0ºC at all times

Explosion Hazard: High temperature and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of storage vessel or containers.

Section VIII: Exposure Controls/Personal Protective Equipment

Engineering Control: Local exhaust recommended to control exposure which may result from operations generating aerosols and hot operations generating vapors.

Personal Protective Equipment

General: To identity additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132), or European Standard EN166 be conducted before using this product. Provide eye wash station impervious clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole body suit. Nitrile rubber is better than PVC.

Eye/Face Protection: Wear chemical splash goggles.

Skin Protection: Wear impervious gloves (Neoprene).

Respirator Protection: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain limited circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by nuisance level organic vapor dust masks can be used, however the use of the respirator is limited. Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

Section XI: Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	Special Gravity	Viscosity	% Volatile
Clear, semi-viscous liquid	Characteristic Acrylate Odor	N/A	(H2O = 1): 1.15	N/DA	By Volume: 0.5

Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure	Vapor Density	Evaporation Rate	Ignition	Solubility in Water (20◦C)
Not Applicable	N/A	N/A	(mm Hg) @20ºC:0.01	No Data	No Data	No Data	Insoluble

Flash Point (ºF/ºC)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
>212ºF/100ºC Setaflash	ND/A	ND/A

Section X: Stability and Reactivity

Stability: Normally Stable

Incompatibility (Materials to Avoid): Polymerization initiators including peroxides, strong

oxidizing agents, copper, copper alloys, carbon steel, iron, rust and string bases.

Hazardous Decomposition Products: Fumes produced when heated to decomposition may include: carbon monoxide, carbon dioxide.

Hazardous Polymerization:
May occur—Uncontrolled polymerization may cause rapid evolution of heat and increased pressure that could result in violent rupture of sealed storage vessels or containers.

Condition to Avoid:
Storage > 100ºF/38ºC, exposure to light, loss of dissolved air, loss of polymerization inhibitor, contamination with incompatible materials.

Section XI: Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation-Skin	Irritation-Eye
ND/A	ND/A	ND/A	ND/A	ND/A

• Since this product contains a very low concentration of active components, the primary toxicological information is derived from the oligomers. Further hazardous properties cannot be excluded. The product should be handled with care when dealing with chemicals.

Sensitization	Mutagenicity	Sub-chronic Toxicity
ND/A	ND/A	ND/A

Section XII: Ecological Information

Acute Toxicity Fish	Acute Toxicity to Invertebrate	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
ND/A	ND/A	ND/A	ND/A	ND/A

Chemical Fate Information

Biodegradability	ND/A
Chemical Oxygen Demand	ND/A

*To be best of our knowledge, the ecotoxocological and chemical fate properties have not been thoroughly investigated.
*Do not allow to entering water supplies, waste water, or soil.

Section XIII: Disposable Concentrations

Non-contaminated, properly inhibited product is not a RCRA hazardous waste. Comply with all Federal, State and local regulations. Dispose of diking materials and absorbent in compliance with State, Local, and Federal regulations. Residual vapors may explode on ignition; do not cut, drill, or weld on or near the container. Mix with compatible chemical which is less flammable and incinerate.

Section XIV: Transport Information

DOT (49 CFR 172)	
Shipping Name:	Non-Regulated Material
Identification Number:	N/A
Marine Pollutant:	No
Special Provisions:	None
Emergency Response Guidebook (ERG) #:	**N/A**
IATA (DGR)	
Proper Shipping Name:	Non-regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Packaging Instructions:	None
Emergency Response Guidance (ICAO) #:	
IMO (IMDG):	
Proper Shipping Name:	Non-Regulated Material
Class of Division:	N/A
UN or ID Number:	N/A
Special Provision & Storage/Segregation:	None
Emergency Schedule (EmS)#:	**N/A**
Other Information: Flash point >	**100ºC**

Section XV: Regulatory Informatio

US Federal Regulations:

Clean Air act: HAP/ODS	This product contains the following Hazardous Air Pollutant (HAP's): • None This product does not contains Ozone Depleting Substances (ODS's).
Clean Water Act: Priority Pollutant List	This product contains no chemicals listed under the U.S. Clean Water Act (CWA) This product contains no chemical that are a Priority or Pollutant under Clean Water Act (CWA)
FDA: Food Packaging Status	This product had not been cleared by FDA for use in food packaging and/or other applications an indirect food additive.
Occupational Safety and Health Act	This product is considered to be hazardous under the OSHA Hazard Communication Standard. It's hazards are: • Immediate (acute) health hazard • Delayed (chronic) health hazard • Reactive hazard
RCRA	This product is not considered to be hazardous waste under RCRA (40 CFR 261).
SARA Title III: Section 302 (TPQ)	This product contains no chemicals regulated under Sec. 302 as extreme hazardous substances that carry TPQ.
SARA Title III: Section 302(RQ)	This product contains no chemicals regulated under Sec. 302 as extremely hazardous chemical for emergency release notification ("CRCLA" List).
SARA Title III: Section 311-312	This product is considered to be hazardous under OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370). Is hazard are:

	• Immediate (acute) health hazard • Delayed (chronic) health hazard • Reactive hazard
SARA Title III: Section 313	this product contains the no chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

State Regulations:

CA Right-to-Know law:	NONE
MA Right-to-Know Law:	NONE
NJ Right-to-Know Law:	NONE
PA Right-to-Know Law:	NONE
FL Right-to-Know Law:	NONE
MN Right-to-Know Law:	NONE

International Regulations:

CDSL: Canadian Inventory (on Canadian Transitional List)	Hydroxypropyl Methacrylate CAS #27813-02-1 is on the DSL list. WHMIS = D2B, Hydroxycyclohexyl phenyl ketone CAS# 947-19-3 is on the DSL list. WHMIS = n/da, 2-Hydroxyethyl methacrylate CAS# 868-77-9 is on the DSL list. WHMIS=n/da, Isobornyl Methacrylate CAS# 7534-94-3 is on the DSL list. WHMIS = n/da, Trimethylolpropane Trimethacrylate esters CAS# 3290-92-4 is on the DSL List. WHMIS=n/da
EINECS: European Inventory 	• Hazard Symbol: **Xi:** *Irritant* • Risk Phrases: **R22**: *Harmful if swallowed,* **R36/38***: Irritating to eyes and skin* **R43:** *May cause sensitization by skin contact.* • Safety Phrases: **S18**: *Handle and open container with care,* **S24/25:** *Avoid contact with skin and eyes,* **S36/37:** *Wear suitable protective clothing and gloves,* **S38***: In case of insufficient ventilation, wear suitable respiration equipment.*

Section XVI: Other Information

Hazard Rating System
NFPA: Health 2/ Flammability 1/ Reactivity 1
HMIS: Health 2/ Flammability 1/ Reactivity 1
Revised: July 3rd, 2009

Revised Sections since Last Version	Section 2 contents and format update throughout.

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