



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: Deluxe Acrylic Monomer

Chemical Name: N/A

Family Name: Monomer

Product Use: Liquid

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

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

Section II: Product composition/Ingredients

Chemical Identity	CAS#	INCI Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/ST EL	Carcinogen IARC/NTP/ OSHA	%
Ethyl Methacrylate	97-63-2	Ethyl Methacrylate	N/E	N/E	Not Listed	83
Hydroxyethyl Methacrylate	868-77-9	Hydroxyethyl Methacrylate	N/E	N/E	Not Listed	8
Triethylene Glycol Dimethacrylate Esters	109-16-0	Triethylene Glycol Dimethacrylate Esters	N/E	N/E	Not Listed	6
Dimethyl p Toluidine	99-97-8	Dimethyl p Toluidine	N/E	N/E	Not Listed	2
Benzophenone-12	25973-55-1	Benzophenone-12	N/E	N/E	Not Listed	.7
2-Hydroxy-4-n- octoxybenzophenone	1843-05-6	2-Hydroxy-4-n- octoxybenzopheno ne	N/E	N/E	Not Listed	.3

Hazard symbols: Xi, F, N **Risk Phrases:** R11, R36/38, R51/53, R65, R67 **Safety Phrases:** S7/9, S16, S33, S36/37, S46

N/E – None Established

N/R – Not Reviewed

ND/A – No Data Available

N/A – Not Available

Section III: Hazard Identification

EMERGENCY OVERVIEW

- Flammable liquid and vapor!
- Aspiration hazard if swallowed.
- Can enter lungs and cause damage.
- May cause eye, skin or respiratory tract irritation.
- Dangerous for the environment.

Protential Health Effects, Sign and Symptoms of Exposure:

Primary Route of Entry	Inhalation, skin contact, eye contact.
Eye	Exposure causes eye irritation. Symptoms include stinging, tearing, redness and swelling.
Skin	Can cause skin irritation. Prolonged or repeated contact may dry skin. Symptoms may include redness, burning, drying, cracking, and skin burns.
Ingestion	Causes gastrointestinal irritation with nausea, vomiting and diarrhea. Aspiration of material into lungs may cause chemical pneumonitis which may be fatal. May cause agitation, delirium, convulsions and muscle spasms.
Inhalation	Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Causes respiratory tract irritation. Aspiration may lead to pulmonary edema. Vapors may cause dizziness or suffocation.
Sub-Chronic effects	Prolonged or repeated skin contact may cause dermatitis. Effects may be delayed. Chronic exposure may cause thyroid damage with thyroid enlargement, a decrease in metabolic rate, the symptoms of hypothyroidism and reduction in the protein-bound fraction of the serum iodine and in the thyroxine content of the thyroid gland. May cause skin rashes, occasionally an exfoliative dermatitis occurs and may prove fatal.

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

Section IV: First Aid Measure

First Aid for Eye	If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently for 15 minutes with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.
First Aid for Skin	Remove contaminated clothing and wash exposed area with soap and water. If symptoms persist, seek medical attention.
First Aid for Inhalation	Remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, seek medical attention.
First Aid for Ingestion	Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Possible aspiration hazard. Get medical attention immediately.

Section V: Fire fighting Measures

Flash Point

Flammable Limit

Auto-ignition Temperature

(°F/°C)	(Vol %)	(Vol %)
TAG CLOSED 40°F/4.44°%	400ppm	ND/A

Method:

Extinguishing Media: Foam, dry chemical, cold water spray
 Fire Fighting Instructions: Cool fire exposed containers with water, remove away from building. Use self-contained breathing apparatus to fight fire.
 Unusual Hazards: When exposed to heat and flame, material is a fire explosion hazard. It may produce toxic products CO, Carbon Dioxide and oxides of nitrogen.

Section VI: Accident Release Measures

Spill or Release Procedure: Eliminate all sources of heat and ignition. Use absorbent material for spills and dike it, wash spilled material into retaining containers. Place containers in well ventilated area. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with inert materials (e.g. vermiculite, dry sand, earth) and place in a chemical waste container. Do not use combustible materials such as sawdust. Do not flush in sewer! US Regulations (CERCLA) require reporting spills and releases 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, to protect personnel attempting to stop leak and to flush spills away from exposures.

Section VII: Handling and Storage

Handling: Wash thoroughly after handling. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin and clothing. Empty containers retain product residue and can be dangerous. Keep containers tightly closed. Avoid contact with heat, sparks and flames. Do not pressurize, cut, weld, braze, solder, drill, grind or expose empty containers to heat sparks or open flame. Use only with adequate ventilation. Avoid breathing vapor.

Storage: Keep away from heat, sparks and flame. Store in well ventilated area. Store @ 70 + 15°F, allow some air space above liquid level. Keep containers closed while not in use.

Explosion Hazard: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite

explosively.

Section VIII: Exposure Controls/Personal Protective Equipment

Engineering Control Facilities storing or utilizing this material should be equipped with an eye facility and safety shower. Use process enclosures local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment.
 IDLH for: CAS# 142-82-5: 750 ppm (NIOSH)
 CAS# 141-78-6: 10% lower explosive limit
 CAS#: 67-63-0: 10% lower explosive limit

Personal Protective Equipment

General To identify 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 stations and safety showers. Wear 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 Use impermeable clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole body suit. Nitrile rubber is better than PVC.

Skin Protection Wear resistant gloves. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

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 liquid	Fruity Ester Odor	N/A	(H2O=1):0.98	N/A	99+

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)
170°(77°C)	N/A	N/A	N/A	(Air=1):1	N/A	N/A	Insoluble
Flash Point (°F/°C)		Flammable Limit (vol%)		Auto-ignition Temperature (vol%)			

TAG CLOSED 40°F/4.44%	400ppm	ND/A
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Section X: Stability and Reactivity

Stability: Stable	Incompatibility (Materials to Avoid): Avoid oxidizing agents, acids & bases (heat).
Hazardous Decomposition Products: Heated material produce NO ₂ , CO ₂ , CO.	Hazardous Polymerization: Will not occur.
Condition to Avoid: Heat, flame, ignition sources.	

Section XI: Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation-Skin	Irritation-Eye
Oral, rat: LD50 CAS#141-78-6 = 5620 mg/kg CAS#67-63-0 = 5045 mg/kg	Skin, rabbit: LD50 CAS#141-78-6= >20 mg/kg CAS#67-63-0= 12800 mg/kg	Inhalation, rat: LC50 CAS#142-82-5= 103 gm/m ³ /4H CAS#141-78-6= 200 gm/m ³	Mild	Mild

Sensitization	Mutagenicity	Sub-chronic Toxicity
ND/A	CAS#: 141-78-6 = Hamster fibroblast 9g/L sex chromosome Loss/Non-disjunction: S. Cerevisiae 24400ppm	ND/A

RTECS#: CAS#142-82-5, MI7700000
CAS#141-78-6, AH5425000
CAS#67-63-0, unlisted

Section XII: Ecological Information

Acute Toxicity Fish	Acute Toxicity to Invertebrate	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
CAS#142-82-5= Goldfish: LC50 = 4.0 mg/L/24H CAS#141-78-6= Flathead minnow: LC50= 230mg/L/96H CAS#67-63-0= Flathead minnow: LC50= 1000 mg/L/96H	N/DA	N/DA	N/DA	N/DA

Chemical Fate Information

Biodegradability	The substance is toxic to aquatic organisms. In the food chain important to humans, bioaccumulation takes place, specifically in fish. No other information available.
Chemical Oxygen Demand	ND/A

To the best of our knowledge, the ecotoxicological and chemical fate properties have not been thoroughly investigated. Do not allow to enter drinking water supplies, wastewater, or soil.

Section XIII: Disposable Concentrations

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. Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements. For EU Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

Section XIV: Transport Information

DOT/UN	
Shipping Name:	UN1993, Flammable liquids, n.o.s., (heptane, ethyl acetate), 3, PGII
Identification Number:	UN1993
Marine Pollutant:	T8, T31
Special Provisions:	None
Emergency Response Guidebook (ERG) #:	128
IATA (DGR)	
Proper Shipping Name:	UN1993, Flammable liquids, n.o.s., (heptane, ethyl acetate), 3, PGII
Class or Division:	3
UN or ID Number:	UN1993
Packaging Instructions:	
Emergency Response Guidance (ICAO) #:	
IMO (IMDG):	
Proper Shipping Name:	UN1993, Flammable liquids, n.o.s., (heptane, ethyl acetate), 3, PGII
Class of Division:	3.2
UN or ID Number:	UN1993
Special Provision & Storage/Segregation:	None
Emergency Schedule (EmS)#:	N/A
Other Information: Flash point >	Flash point = 4.44°C

Section XV: Regulatory Information

US Federal Regulations:

US Federal Regulations:



Clean Air act: HAP/ODS	This product contains the following Hazardous Air Pollutant (HAP's): • None
Clean Water Act: Priority Pollutant List	The following ingredients are listed as hazardous pollutants under the CWA: None
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and/or other applications and indirect food packaging 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 • Chronic (delayed) health hazard • Fire hazard
RCRA	This product contains the following chemicals considered to be hazardous waste under RCRA (40 CFR 261).Ethyl Acetate CAS # 141-78-6 RCRA Code: U112
SARA Title III: Section	This product contains the following chemicals regulated under Section

302 (TPQ)	304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List): • Ethyl Acetate CAS #141-78-6 RQ (Lbs) 5000
SARA Title III: Section 302(RQ)	This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances.
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 • Chronic (delayed) health hazard • Fire hazard
SARA Title III: Section 313	This product contains the following chemicals which are 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: Isopropyl Alcohol CAS #67-63-0.
TSCA Section 8 (b): Inventory	This product contains chemical listed on the TSCA inventory or otherwise complies with TSCA pre-manufacture notification requirements.
TSCA Significant New Use Rule	TSCA premanufacture notification requirements. None of the chemicals in this material have a SNUR under TSCA.

State Regulations:

CA Right-to-Know law: CA No Significant Risk Rule:	Ethyl Acetate CAS # 141-78-6; Heptane CAS #142-82-5; Isopropyl Alcohol CAS # 67-63-0.
MA Right-to-Know Law:	Ethyl Acetate CAS # 141-78-6; Heptane CAS # 142-82-5; Isopropyl Alcohol CAS # 67-63-0.
NJ Right-to-Know Law:	Ethyl Acetate CAS # 141-78-6; Heptane CAS # 142-82-5; Isopropyl Alcohol CAS # 67-63-0.
PA Right-to-Know Law:	Ethyl Acetate CAS # 141-78-6; Heptane CAS # 142-82-5; Isopropyl Alcohol CAS # 67-63-0.
FL Right-to-Know Law:	Ethyl Acetate CAS # 141-78-6; Heptane CAS # 142-82-5; Isopropyl Alcohol CAS # 67-63-0.
MN Right-to-Know Law:	Ethyl Acetate CAS # 141-78-6; Heptane CAS # 142-82-5; Isopropyl Alcohol CAS # 67-63-0.

International Regulations:

CDSL: Canadian Inventory (on Canadian Transitional List)	Heptane CAS# 142-82-5 is on the DSL List. WHMIS = B2, D2B. Ethyl acetate CAS #141-78-6 is on the DSL list. WHMIS = B2, D2B. Isopropyl alcohol CAS #67-63-0 is on the DSL list. WHMIS = B2, D2B. Tolnaftate CAS# 2398-96-1 is on the DSL List. WHMIS = N/DA
EINECS: European Inventory:  	Isopropyl Alcohol CAS # 67-63-0. Antifungal Solution: • HAZARD SYMBOLS: Xi : Irritant, F : Highly Flammable, N : Dangerous for Environment • RISK PHRASES: R11 : highly flammable, R36/38 : Irritating to eyes and skin, R51/53 : toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment, R65 : Harmful, may cause lung damage if swallowed, R67 : Vapors may cause drowsiness and dizziness. • SAFETY PHRASES: S7/9 : keep container tightly closed and in a well-ventilated place, S16 : keep away from sources of ignition- no smoking,



S33: Take precautionary measures against static discharges, **S36/37:** Wear suitable protective clothing and gloves, **S46:** If swallowed seek medical advice immediately and show this container or label.

Section XVI: Other Information

Hazard Rating System

NFPA: Health 2/ Flammability 3/ Reactivity 0

HMIS: Health 2/ Flammability 3/ Reactivity 0

Revised: Sept. 30th, 2008

Revised Sections since Last Version	Section 2-16 contents and format update throughout.
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