

## MATERIAL DATA SAFETY SHEET

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards

### SECTION I - PRODUCT IDENTIFICATION

REVISION DATE: 12/1/2013

Product Name: DELUXE POLYMER  
Chemical Name: N/A  
Synonyms: DELUXE POLYMER  
Trade Name: **DELUXE POLYMER**  
Product use: Fingernails coating only  
Distributor's Name: CHRISTRIO  
Distributor's Address: 2420 Railroad; Corona, CA. 92881  
Information Contact: 1 951 808 4730  
Emergency Phone: Canada & US (800) 535-5053 International: 1 -352-323-3500  
EU Address: 167-171 Willoughby Lane; Tottenham, London N17 OSB; UK

### SECTION II - HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

This information may be based on finding related or similar materials

- May cause allergic skin reaction
- May cause eye irritation
- Dust may cause irritation of the nose, throat, and lungs
- This product may contain particulate, not otherwise classified (Nuisance dust)

#### Potential Health Effects, Signs, and Symptoms of Exposure:

Primary Route of Entry	Eyes or skin (no absorption); inhalation of dust
Eye	Higher concentration can irritate eyes. May cause eye irritation or damage.
Skin	Repeated or prolonged exposure may cause allergic skin rashes.
Ingestion	Higher concentration can irritate respiratory system.
Inhalation	Possible temporary discomfort due to inhalation of dust concentration above the permissible exposure limit. Dust may cause irritation of the nose, throat, and lungs.
Sub-Chronic Effects	For Polymer: OSHA classifies this material as particulates, not otherwise classified. Eyes, skin, and respiratory tract may be irritated by gross overexposure to particulates, not otherwise classified, no matter how they are generated. Avoid inhalation of dust. Keep dust out of eyes to prevent possible irritation. For decomposition product: Methyl Methacrylate Monomer; Liquid or high vapor concentration can irritate eyes, respiratory system and cause skin rashes. Prolonged exposure can lead to headaches, nausea, staggering gait, confusion, drowsiness and unconsciousness. Repeated and prolonged over exposure may cause permanent brain and nervous system damage, allergic skin rashes, eye corrosion and permanent injury, as well as changes in liver and kidney function or damage. For Benzoyl Peroxide: repeated or prolonged contact may cause skin sensitization.

NOTE: Refer to Section XI, Toxicological Information for Details

### SECTION III - COMPOSITION/INFORMSTION

Chemical Identity	CAS#	EINEC#	INCI Name	Exposure OSHA TWA/STEL	LIMITS ACGIH TWA/STEL	Carcinogen	%
Poly (ethyl methacrylate)	9003-42-3	N/E	Polyethylmethacrylate	N/E	N/E	NOT LISTED	65-99
Poly (methyl methacrylate)	9011-14-7	N/E	Polymethyl Methacrylate	N/E	N/E	Group 3/no/no	0-35
Dibenzoyl Peroxide	94-36-0	202-327-6	Benzoyl Peroxide	5mg/m3	5mg/m3	3/no/no	0-1
Silicon Dioxide	112945-52-5	262-373-8	Silica	N/E	N/e	NOT LISTED	0-0.1

#### See Section XVI for Risk and Safety Phrase

N/E - None Established

N/DA - No Data Available

N/R - Not Review

N/A - Not Applicable

**Poly (ethyl methacrylate):** Hazard Symbol: N/E

Risk Phrases: N/E

Safety Phrases: S24/25

**Poly (methyl methacrylate):** Hazard Symbol: Xn

Risk Phrases: R40

Safety Phrases: S36/37

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### SECTION IV - FIRST AID MEASURES

First Aid for Eye	Flush with water for 15 minutes including under eyelid(s). Get medical help if discomfort persists.
First Aid for Skin	Wash with soap and water. Get medical help if discomfort persists.
First Aid for Inhalation	Remove to fresh air. Get medical help if discomfort persists.

### SECTION V - FIRE FIGHTING MEASURES

Flash Point (°F/°C)	Flammable Limit (vol %)	Auto-Ignition Temperature (vol %)
TAG Closed 580°F/304°C	N/A	N/E

#### Method:

Extinguishing Media:	Water, carbon dioxide, dry chemical.
Fire Fighting Instructions:	Avoid extinguishing methods that generate dust clouds. Water streams can disperse dust into air, producing a fire hazard and possible explosion hazard. Fire-fighters should wear self-contained breathing apparatus.
Unusual Hazards:	Polymer dust is combustible, explosive limits of the polymer particles suspended in air are approximately those of coal dust.

Spill or Release Procedures Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when

Handling	Observe precautions found on the label. Wash face and hands thoroughly with soap and water after handling and before eating and drinking or smoking. Avoid prolonged or repeated contact with skin. Avoid contamination. Use only with adequate ventilation.
Storage	Store in a cool place, away from heat, sparks, flame, and direct sunlight. Close container after each use. Ground all metal containers when transferring. Use explosion-proof equipment. Store away from combustibles and incompatible materials.
Explosion Hazard	Polymer dust is combustible, explosive limits of the polymer particles suspended in air are approximately those of coal dust.

### SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	Use good local exhaust at processing equipment, including buffers, sanders, grinders and polishers. High temperature processing equipment should be well ventilated. Use explosion-proof equipment. Provide ventilation if necessary to control exposure levels below airborne exposure limits.
<b>Personal Protective Equipment</b>	
General	Dust collectors are recommended for handling powder in bulk.
Eye/Face Protection	Use safety glasses and have eye flushing equipment immediately available.
Skin Protection	Minimize contamination by following good industrial practice. Wearing nitrile, neoprene, pvc, latex or other impermeable gloves are recommended.
Respiratory Protection	Avoid breathing dust and mist. Use dust mask.

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### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Odor & Odor Theshold	pH	Specific Gravity	Viscosity	% Volatile
Fine powder	Faint odor in bulk	N/A	N/A	N/DA	N/A

Boiling Point/ Feezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient	Vapor Pressure	Vapor Density	Evaporation Rate	Ignition	Solution In Water
N/A	N/A	N/A	N/A	N/D	N/D	N/D	Insoluble

Flash point (°F/°C)	Flammable Limit (Vol %)	Auto-ignition Temperature (Vol %)
TAG Closed 580°F/304°C	N/A	N/E

### SECTION X - STABILITY AND REACTIVITY

<b>Stability:</b> Stable	<b>Incompatibility (Materials to Avoid):</b> Strong oxidizing agents
<b>Hazardous Decomposition Products:</b> Methacrylate monomers	<b>Hazardous Polymerization:</b> Will not occur

**Conditions to Avoid:**  
Heating above 240°C/464°F,

### SECTION XI - TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation - Skin	Irritation -Eye
LD50 Oral (Rat): 7990mg/kg	LD50 Dermal (Rabbit): 35,500mg/kg	LC50 Inhalation (Rat):>12,500 to 16,500ppm for 0.5 hours	mild	mild

Sensitization	Mutagenicity	Sub-chronic Toxicity
N/DA	N/DA	N/DA

### SECTION XII - Ecological Information

#### Ecotoxicological Information

Acute Toxicity To Fish	Acute Toxicity To Ivertebrates	Acute Toxicity To Algea	Bioconcentration	Toxicity to Sewage Bacterials
Flathead minnows and goldfish TLM24: 420ppm Bluegills TLM24: 368ppm	N/DA	N/DA	N/DA	N/DA

<b>Biodegradability</b>	N/DA
<b>Chemical Oxygen Demand</b>	N/DA

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

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### SECTION XIII- DISPOSAL CONSIDERATIONS

May be disposed of in a landfill or incinerated. Follow Federal, State, and Local regulations for disposal. 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

<b>DOT (49 CFR 172) (GND)</b>	
Proper Shipping Name	Non-Regulated Material
Identification	N/A
Marine Pollutant	No
Special Provisions	None
<b>Emergency Response Guidebook (ERG) #</b>	N/A
<b>IATA (DGR) (AIR)</b>	
Proper Shipping Name	Non-Regulated Material
Class or Division	N/A
UN or ID Number	N/A
Packing Instructions	None
<b>Emergency Response Guidance(ICAO)#</b>	N/A
<b>IMO (IMDG)</b>	
Proper Shipping Name	Non-Regulated Material
Class or Division	N/A
UN or ID Number	N/A
Special Provision & Stowage/Segregation	None
<b>Emergency Schedule (EmS)#</b>	N/A
<b>Other Information</b>	Flash point >100°C

### SECTION XV - REGULATORY INFORMATION

#### US Federal Regulations

Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act: NONE This product contains no ODS's
Clean Water Act: Priority Pollutant	This product no chemical listed under the U.S. Clean Water Act Priority Pollutant List.
FDA: Food Packing Status	This product has not been cleared by the FDA for use in food packaging and/or other application as an indirect food additive.
Occupational Safety and Health Act	This product is not considered to be a hazardous chemical under the OSHA Hazard Communication Standard.
RCRA	This product is not considered to be a hazardous waste under RCRA (40 CFR 261).
SARA Title III: Section 302 (TPQ)	This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances that carry a TPQ.
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Section 304 as extremely dangerous chemical for emergency release notification ("CERCLA" List).
SARA Title III: Section 311-312	This product is not considered hazardous under OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370).
SARA Title III: Section 313	This product contains the following chemicals outlined in SARA Title III Section 313: ·Benzoyl Peroxide CAS #94-36-0
TSCA Section 8(b): Inventory:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.
TSCA Significant New Use Rule	None of the chemicals listed have a SNUR under TSCA.

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### SECTION XV - REGULATORY INFORMATION (Continued)


#### State Regulation

CA Right-to-Know Law California No Significant risk Rule	Benzoyl Peroxide CAS #94-36-0, Silicon Dioxide CAS#112945-52-5 NONE
MA Right-to-Know Law	Benzoyl Peroxide CAS #94-36-0, Silicon Dioxide CAS#112945-52-5
NJ Right-to-Know	Benzoyl Peroxide CAS #94-36-0, Silicon Dioxide CAS#112945-52-5
PA Right-to-Know Law	Benzoyl Peroxide CAS #94-36-0, Silicon Dioxide CAS#112945-52-5
FL Right-to-Know Law	Benzoyl Peroxide CAS #94-36-0, Silicon Dioxide CAS#112945-52-5
MN Right-to-Know Law	Benzoyl Peroxide CAS #94-36-0, Silicon Dioxide CAS#112945-52-5

#### International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)	Polymethyl methacrylate CAS# 9011-14-7 is on the DSL List. WHMIS = n/da Polyethylmethacrylate CAS# 9003-42-3 is on the DSL List. WHMIS = n/da Benzoyl Peroxide CAS #94-36-0 is on the DSL list. WHMIS = C, D2B, B4 Silicon Dioxide CAS#112945-52-5
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#### Labeling according to directive - 1999/4/EC

European Community: 	<b>Deluxe Acrylic Polymer</b> <ul style="list-style-type: none"> <li>HAZARD SYMBOLS: <b>Xi</b>: Irritant</li> <li>RISK PHRASE: <b>R36/37/38</b>: Irritating to eyes, respiratory system, and skin</li> <li>SAFETY PHRASE: <b>S18</b>: Handle and open container with care, <b>S22</b>: Do not breathe dust, <b>S24/25</b>: Avoid contact with skin and eyes, <b>S38</b>: In case if insufficient ventilation, wear suitable respiratory equipment.</li> </ul>
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#### EU Class and Risk/Safety Phrases for Referenced Ingredients (See Section 2):

##### Hazard Symbol:

Xn - Harmful substances or preparations

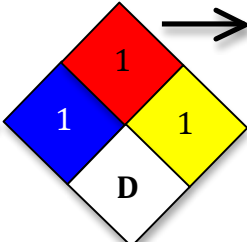
##### Risk Phrases:

R40 - Limited evidence of carcinogenic effect

##### Safety Phrases:

S24/25 Avoid contact with skin and eyes; S36/37 Wear suitable protective clothing and gloves

#### Hazard Rating system (Pictograms)

<p>NFPA:</p>  <p>Health ← 1 → Reactivity</p>	<p>HMIS:</p> <table border="1"> <tr><td>1</td><td>HEALTH</td></tr> <tr><td>1</td><td>FLAMMABILITY</td></tr> <tr><td>1</td><td></td></tr> <tr><td colspan="2">*D</td></tr> </table>	1	HEALTH	1	FLAMMABILITY	1		*D	
1	HEALTH								
1	FLAMMABILITY								
1									
*D									
<p>*Respiratory protection may be necessary depending on conditions of use. Refer to Section VIII of this MSDS for respiratory protection guidelines.</p>									

N/E - Not Establish    N/R - No Review    N/DA - No Data Available    N/A - Not Applicable  
OSHA PEL for nuisance dust 15mg/m<sup>3</sup> (total dust) 5mg/m<sup>3</sup> (Respirable dust)  
ACGIH PEL for nuisance dust 10mg/m<sup>3</sup>

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### SECTION XVI - OTHER INFORMATION (continued)

Prepared By:	CHRISTRIO
Update Composition	Dec. 1 <sup>st</sup> ,2013

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