MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEMICAL NAME: N/A
PRODUCT NAME: Gelacquer (All Colors)
TRADE NAME/PRODUCT CODE: N/A
PRODUCT USE: Professional Use Only

MANUFACTURER: CHRISTRIO CORP.
MANUFACTURER ADDRESS: 2420 Railroad Street, Corona, CA 92880
WEBSITE: www.christrio.com
24 HR. EMERGENCY TELEPHONE: 1-703-527-3887
PREPARED BY: Health & Safety Department
PHONE: 1-951-808-4730, Business hours: M-F/9:00am-5:00pm
E-MAIL: technicalsupport@christrio.com

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: May be slightly toxic
May cause chemical burn in eyes
May cause moderate skin injury (reddening & swelling)
Possible respiratory tract irritation hazard

Routes of Exposure: No specific information is available.

Physical Hazards: No specific information is available.

Acute Health Hazards: See section 11 for more information.

Eyes: Contains materials that are essentially nonirritating, however contact may cause slight transient irritation.

Skin: 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.

Inhalation: Low volatility makes vapor inhalation unlikely. Aerosol can be irritating.

Ingestion: Contains materials that may practically nontoxic. However, it may cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Conditions Aggravated by Exposure: Limited test showed no evidence of teratogenicity in animals. A lifetime skin painting study with a mice showed no evidence of carcinogenicity.

Chronic Health Hazards: See section 11 for details.

Carcinogenicity: See section 11 for details.

Potential Environmental: See section 12 for details.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>ITEM</th>
<th>CHEMICAL NAME</th>
<th>CAS#</th>
<th>EINECS#</th>
<th>R Phrases</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Hydroxyethyl Acrylate/IPDI/PPG-15 Glyceryl Ether Copolymer</td>
<td>73297-29-7</td>
<td>N/A</td>
<td>N/A</td>
<td>70</td>
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<tr>
<td>02</td>
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<td>10</td>
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</tbody>
</table>
### Section IIIa: May contain 0-2% of one or more of the following

<table>
<thead>
<tr>
<th>ITEM</th>
<th>CHEMICAL NAME</th>
<th>CAS#</th>
<th>EINECS#</th>
<th>R Phrases</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Glitters</td>
<td>Exempt</td>
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</tr>
<tr>
<td>02</td>
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<td>3844-45-9</td>
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<tr>
<td>03</td>
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<td>128-80-3</td>
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<td>04</td>
<td>Iron Dioxide/Ci77499</td>
<td>12227-89-3</td>
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<td>N/A</td>
<td>0-2</td>
</tr>
<tr>
<td>05</td>
<td>Mica/Ci77019</td>
<td>12001-26-2</td>
<td>N/A</td>
<td>N/A</td>
<td>0-2</td>
</tr>
<tr>
<td>06</td>
<td>Red 7/Ci15850</td>
<td>5281-04-9</td>
<td>N/A</td>
<td>N/A</td>
<td>0-2</td>
</tr>
</tbody>
</table>

---

**SECTION 4: FIRST AID MEASURES**

**EMERGENCY AND FIRST AID PROCEDURES:**

**EYES:**
Flush eyes with plenty of lukewarm water for 15 minutes and seek medical attention immediately.

**SKIN:**
Wash contact area with soap and water for 15 minutes. Seek medical attention if irritation develops or persists.

**INHALATION:**
In case of exposure to high concentration of vapor or mist, remove person to fresh air. If breathing has stopped, administer artificial respiration and seek medical attention.

**INGESTION:**
If swallowed, **DO NOT** induce vomiting. Never give anything by mouth to an unconscious person. If conscious and alert, rinse mouth and drink 2 to 4 cupfuls of milk or water immediately and seek medical attention.

**CLOTHING:**
Remove contaminated clothing, wash thoroughly before reuse.

**TREATMENT:**
Treat symptoms conventionally, after thorough decontamination.

**NOTE TO PHYSICIANS:**
None available.

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**SECTION 5: FIRE FIGHTING MEASURES**

*This product is a combustible liquid. This product may ignite readily and decompose to produce carbon oxides.*

**FLASH POINT:**
Refer to Section 9 for details.

**SUITABLE EXTINGUISHING MEDIA:**
Use dry chemical for small fires; aqueous foam or water for large fires.

**UNSUITABLE EXTINGUISHING MEDIA:**
Water may not be effective in extinguishing this fire.

**PRODUCTS OF COMBUSTION:**
Mixture

**FIRE AND EXPLOSION 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.

**SPECIAL FIRE FIGHTING PROCEDURES:**
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.

**SENSITIVE TO MECHANICAL IMPACT:**
No

**SENSITIVE TO STATIC DISCHARGE:**
No
SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Review Section 5 before proceeding with clean-up. Remove sources of ignition and ventilate area. Use a respirator and other protective equipment as outlined in Section 8. Spontaneous polymerization can occur. Although material is non-flammable, please try to 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, but minimize water use during clean up. If a leak or spill has not ignited, use water spray to disperse the vapors.

ENVIRONMENTAL PRECAUTIONS: Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. 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. Do not flush to sewer!

METHODS FOR CONTAINMENT: Dike and contain spill with inert, non-combustible material (e.g. sand or earth).

METHODS FOR CLEAN-UP: Evacuate personnel, maximize ventilation (open doors and windows) and secure all sources of ignition. Place into appropriate closed container(s) for disposal in accordance with local, state and federal regulations. Refer to Section 13 for additional information. Wash all affected areas with plenty of warm water and soap.

SECTION 7: HANDLING AND STORAGE

HANDLING PROCEDURES: Avoid contact with skin and eyes, clothing. Use adequate ventilation and avoid breathing in 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. Material is extremely light sensitive. Use extreme care and do not expose to natural or UV light. Unless using material for its purposes. Since the material is very photosensitive any type of light may initiate the hardening (cure) process.

STORAGE PROCEDURES: Store in cool, dry place, away from heat and light. Store in a tightly closed container. Store at temperatures below 100°F/38°C. Store product in a totally opaque container.

EXPLOSION HAZARD: High temperature and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of a storage vessel or container.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>ITEM*</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydroxyethyl Acrylate/IPDI/PPG-15 Glyceryl Ether Copolymer</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>Bis-Hydroxyethyl Acrylate Poly (Neopentyl Glycol Adipate)/IPDI Copolymer</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>Isobornyl Methacrylate</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>Benzoyl Isopropanol</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>Hydroxypropyl Methacrylate</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>Glitters</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>Blue 1/CI42090</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>Green 6/CI61565</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>Iron Dioxide/CI77499</td>
<td>N/E</td>
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</tr>
<tr>
<td>Mica/CI77019</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>Red 7/CI15850</td>
<td>N/E</td>
<td>N/E</td>
</tr>
</tbody>
</table>

* Abbreviations can be found in Section 16
ENGINEERING CONTROLS: Local exhaust recommended to control exposure which may result from operations generating aerosols and hot operations generating vapors.

RESPIRATORY PROTECTION: Use MSHA/NIOSH approved masked & 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 a respirator is limited. Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

EYE/FACE PROTECTION: Wear chemical splash goggles.

HAND/SKIN PROTECTION: Wear impervious gloves (Neoprene)

GENERAL HYGIENE CONSIDERATIONS: 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 impervious clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole body suit. Nitrile rubber is better the PVC.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| APPEARANCE/COLOR: | Various colors, semi-viscous |
| PHYSICAL STATE: | Liquid |
| ODOR: | Characteristic Acrylate Odor |
| ODOR THRESHOLD: | N/A |
| pH: | N/A |
| FREEZING POINT: | N/A |
| BOILING POINT: | N/A |
| FLASH POINT (closed cup): | >212˚F/100˚C Seta flash |
| EVAPORATION RATE (BuAc =1): | N/D |
| FLAMMABLE LIMIT, AIR VOL% | |
| LOWER: | N/A |
| UPPER: | N/A |
| VAPOR PRESSURE: | mm Hg: @20˚C: 0.01 |
| VAPOR DENSITY (AIR=1): | N/D |
| RELATIVE DENSITY: | N/D |
| SPECIFIC GRAVITY (H₂O=1): | 1.15 |
| SOLUBILITY IN WATER: | (20˚C) Insoluble |
| AUTOIGNITION TEMPERATURE: | ND/A |
| DECOMPOSITION TEMPERATURE: | N/A |
| PERCENT VOLATILE W/W%: | 0.5 |

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Normally Stable

CONDITIONS TO AVOID: Storage > 100˚F/38˚C, exposure to light, loss of dissolved air, loss of polymerization inhibitor, contamination with incompatible materials.

INCOMPATIBLE MATERIALS: Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust, and string bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Fumes produces when heated to decomposition may include: carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION: May occur

POSSIBILITY OF HAZARDOUS REACTIONS: May occur
SECTION 11: TOXICOLOGICAL PROPERTIES

**TARGET ORGANS:**
For Mixture: *Since this product contains 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.*

**SYMPTOMS:**
Refer to Section 2 for information.

**IMMEDIATE/Delayed EFFECTS:**
Refer to Section 2 for information.

**TOXICITY DATA:**
ND/A

**SENSITIZATION:**
ND/A

**IRRITANCY:**
ND/A

**CHRONIC EXPOSURE:**
Carcinogenicity: ND/A

Reproductive Toxicity: ND/A

Teratogenicity: ND/A

Mutagenicity Data: ND/A

**NAME OF TOXICOLOGICALLY SYNERGISTIC PRODUCTS:**
ND/A

SECTION 12: ECOLOGICAL INFORMATION

**ECOTOXICITY:**
AQUATIC: ND/A

SOIL: ND/A

AIR: ND/A

**ENVIRONMENTAL FATE:**
Persistence and Degradability: ND/A

Biodegradation: ND/A

Bio accumulative Potential: Not known.

Mobility in soil: Not known.

Other Adverse effects: None known.

*To be best of our knowledge, the eco toxicological and chemical fate properties have not been thoroughly investigated.

*Do not allow to entering water supplies, waste water, or soil.

SECTION 13: DISPOSAL CONSIDERATIONS

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. Residue 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 14: TRANSPORT INFORMATION

**DOT (GROUND) PROPER SHIPPING NAME:** Non-regulated material

**TECHNICAL NAME:** N/A

**DOT/UN CLASS:** N/A
SECTION 15: REGULATORY INFORMATION

United States:
Clean Air Act: HAP/ODS: This product contains the following Hazardous Air Pollutant (HAP’s):
• None
This product does not contain Ozone Depleting Substances (ODS’s)

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.

OSHA:
This product is considered to be hazardous under OSHA Hazard Communication Standard. Its hazards are:
• Immediate (acute) health hazard
• Delayed (chronic) health hazard
• Reactive hazard

RCRA:
This product contains the following chemicals considered to be hazardous waste under RCRA (40 CFR 261).
• None

TSCA Inventory Status:
The components of this product are listed on the TSCA Inventory.

SARA Section 302:
This product contains the following chemicals under Sec. 302 as extreme hazardous substances that carry TPQ:
• None

SARA 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). Its hazards are
• Immediate (acute) health hazard
• Delayed (chronic) health hazard
• Reactive hazard

SARA Section 313:
This product contains the following 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:
• None

CERCLA Reportable Quantity (RQ):
N/A

State Regulatory Information: This product may contain components that are covered under specific state criteria.

California Prop 65:
None of the components in this product are listed in California’s Prop 65.

Canada:
DSL/NDSL: N/A
HMIS Hazard Class: N/A

Europe:
EINECS: Not all of the components of this product are listed in EINECS.
Candidate List: N/A
CSR Available: No
HAZARD SYMBOLS: Xi – Irritant
RISK STATEMENTS:
R20: Harmful inhalation
R43: May cause sensitization by skin contact.

SAFETY STATEMENTS:
S24/25: Avoid contact with skin and eyes
S28A: After contact with skin, wash immediately
S37: Wear suitable protective clothing and gloves
S45: In case of accident, or feel unwell, seek medical advice immediately (show label where possible)

SECTION 16: OTHER INFORMATION

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS) RATING:
- HEALTH: 2
- FLAMMABILITY: 1
- REACTIVITY: 2
- PERSONAL PROTECTIVE EQUIPMENT: N/A

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD IDENTIFICATION RATING:
- HEALTH: 2
- FLAMMABILITY: 1
- REACTIVITY: 2
- SPECIAL INFORMATION: N/A

ABBREVIATIONS:
- NA Not Applicable
- NE Not Established
- ppm parts per million
- mg Milligram
- gm Gram
- kg Kilogram
- mm Millimeter
- Pa Pascals
- LC Lethal Concentration
- TC Toxic Concentration
- BOD Biological Oxygen Demand
- Lo Lowest
- TLM Threshold Limit
- DOC Dissolved Organic Carbon
- H Hours
- ND Not Determined
- G Gallon
- L Liter
- mol Mole
- μ Micro
- p Pico
- c cento
- LD Lethal Dose
- TD Toxic Dose
- COD Chemical Oxygen Demand
- ThOD Theoretical Oxygen Demand
- IC Inhibitory Concentration
- M Months
D Days         Y Years
W Weeks
ACGIH American Conference of Governmental Industrial Hygienist
CPR Controlled Product's Regulation
CSR Chemical Safety Report
DOT Department of Transportation
DSL Canadian Domestic Substances List
EINECS European Inventory of Existing Commercial Chemical Substances
IARC International Agency for Research for Cancer
NDSL Canadian Non-Domestic Substance List
NOEL No Observed Effect Level
NOAEL No Observed Adverse Effect Level
OSHA Occupational Safety and Health Administration
PEL Permissible Exposure Limit
TLV Threshold Limit Value
TSCA Toxic Substances Control Act
WHMIS Workplace Hazardous Materials Information System

Update Composition: Apr. 7th, 2013 Format update
Dec. 19th, 2013 Added Hazard Rating System Pictogram

THIS MATERIAL SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200), THE COMMONWEALTH OF CALIFORNIA REGULATIONS (TITLE 34, CHAPTERS 301-323) AND CANADIAN WHMIS REGULATIONS. ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE CONSULTED. THE ABOVE INFORMATION MAY BE BASED IN PART ON INFORMATION PROVIDED BY COMPONENT SUPPLIERS AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OF THESE DATA, THE RESULTS TO BE OBTAINED FROM THE USE OF THE MATERIAL, OR THE HAZARDS CONNECTED WITH SUCH USE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATE HEREOF MAY SUGGEST MODIFICATION OF THE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE RESULT OF ITS USE. THIS INFORMATION AND MATERIAL IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS/HER OWN DETERMINATION AS TO THE SUITABILITY OF THE MATERIAL FOR HIS/HER PARTICULAR PURPOSE AND ON THE CONDITION THAT HE/SHE ASSUME THE RISK OF HIS/HER USE THEREOF.