MATERIAL DATA SAFETY SHEET

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

SECTION I – PRODUCT IDENTIFICATION

REVISION DATE:17/12/2018

Product Name: FOIL TRANSFER GEL
Chemical Name: N/A
Synonyms: ADHESIVE GEL BASE
Trade Name: **CHRISTRIO FOIL TRANSFER GEL**
Product use: Nail art coating only
Company Name: CHRISTRIO
Company 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 be slightly toxic.
- May cause moderate skin injury (redness & swelling).
- May cause eyes irritation.

Potential Health Effects, Signs, and Symptoms of Exposure:

Primary Route of Entry	No specific information available for this product. Although, this product is opposes only slightly irritation concern with all routes of entry.
Eye	No specific information available. Contains materials that are essentially nonirritating, but contact may cause slight transient irritation.
Skin	No specific information available. Contains materials may cause moderate skin injury (redness & swelling) and/or sensitization. Prolonged and/or repeated contact may cause redness, itching, and blister formation (burns). Since irritation may not occur immediately, contact can go unnoticed.
Ingestion	No specific information available. Contains materials that may be practically nontoxic.
Inhalation	No specific information available. Low volatility makes vapor inhalation unlikely.
Sub-Chronic Effects	No specific information available. Limited tests showed no evidence of teratogenicity in animals. A lifetime skin painting study with mice showed no evidence of carcinogenicity.

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	%
Polyurethane	9009-54-5	N/E	Polyurethane	N/E	N/E	NOT LISTED	50-65
3-Imidazol-4-ylacrylic acid and its ethyl ester	27538-35-8	248-515-1	Ethyl Urocanate	N/E	N/E	NOT LISTED	15-34
Lactis Serum Proteinum	91082-88-1	293-803-2	Lactis Proteinum	N/E	N/E	NOT LISTED	.1-1

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

Polyurethane:	Hazard Symbol: Xi	Risk Phrases: R36/37/38	Safety Phrases: S14, S3/7, S62
Ethyl Urocanate:	Hazard Symbol: Xi	Risk Phrases: R36/38, R43	Safety Phrases: S2, S26, S28
Lactis Proteinum:	Hazard Symbol: Xi	Risk Phrases: R36/37/38	Safety Phrases: S26, S37

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SECTION IV – FIRST AID MEASURES

First Aid for Eye	Flush with plenty amount of lukewarm water for 15 minutes and retract eyelid(s) often. Seek medical attention immediately.
First Aid for Skin	Remove contaminated clothing and wash contact area with soap and water for 15 minutes.
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	If appreciable quantities are swallowed, seek medical attention.

SECTION V – FIRE FIGHTING MEASURES

Flash Point (°F/°C)	Flammable Limit (vol %)	Auto-Ignition Temperature (vol %)
>105°F/40°C	N/D	N/D

Method:

Extinguishing Media:	Use carbon dioxide or 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 controlled 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 Procedures	Spontaneous of polymerization can occur. Eliminate all ignition sources. Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows). Place leaking containers in well ventilated area. Dike and remove spilled material with absorbent material (vermiculite, clay, cloth, or sand) and place into appropriate closed container(s) for disposal. Dispose it properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with isopropyl alcohol and strong detergent with warm water. Minimize the water and DO NOT flush to sewer. Remove any contaminated clothing and wash thoroughly before reuse. US Regulations (CERCLA) require reporting spill and release to soil, water and air in access of reportable quantities. The toll free number for the US Coast Guard Nation Response Center is (800) 424-8802. EU Regulations require the consultation of Detective 98/24/EC. Dispose and report per regulatory requirements if necessary. Please prevent washing from entering of 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 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 than 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 also 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 all types of light. Store at temperatures below 100°F/38ºC but above the product's freezing point. If no freezing point is given, keep above 32ºF/0ºC at all times.
Explosion Hazard	High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of storage vessel or containers.

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SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	Local exhaust recommended control exposure, which may result from operations generating aerosols and hot operations generating vapors.

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 suit. Nitrile rubber is better PVC.
Eye/Face Protection	Chemical splash goggles.
Skin Protection	Impervious gloves (Neoprene).
Respiratory 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 CFR1910.134 or European Standard EN149.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Odor & Odor Theshold	pH	Specific Gravity	Viscosity	% Volatile
Clear	Characteristic acrylate odor	N/A	(H2O=1) : 1.15	N/DA	By Volume:<.5

Boiling Point/ Feezing Point	Decomposition Temperature	Octanol/Water Partitioning Coeffficient	Vapor Pressure	Vapor Density	Evaporation Rate	Ignition	Solution In Water
N/A	N/A	N/A	(mm Hg) @ 20 C:<0.01	N/D	N/D	N/D	Insoluble

Flash point (°F/°C)	Flammable Limit (Vol %)	Auto-ignition Temperature (Vol %)
>105 °F/40°C Setaflash	N/D	N/D

SECTION X – STABILITY AND REACTIVITY

Stability: Stable under normal ambient condition when stored properly.	**Incompatibility (Materials to Avoid):** Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust, and strong bases.
Hazardous Decomposition Products: Fumes produced when exposed to extreme high temperatures or heated to decomposition may include: Irritating Vapors, 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 bottles, containers, or vessels.

Conditions to Avoid:
Storage > 100°F/38°C, exposure to light, loss of dissolved air, loss of polymerization inhibitore, contamination with incompatible materials.

SECTION XI – TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation - Skin	Irritation -Eye
N/DA	N/DA	N/DA	N/DA	N/DA

Since this product contains very low concentration of active components, the primary toxicological information is derived from the obligomers. Further hazardous properities cannot be excluded. The prodcut should be handlled

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

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SECTION XII – Ecological Information

Ecotoxicological Information

Acute Toxicity To Fish	Acute Toxicity To Ivertebrates	Acute Toxicity To Algea	Bioconcentration	Toxicity to Sewage Bacterials
N/DA	N/DA	N/DA	N/DA	N/DA

Chemical Fate Information

Biodegradability	N/DA
Chemical Oxygen Demand	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.

SECTION XIII– DISPOSAL CONSIDERATIONS

Non-contaminated, properly inhibited product is not a RCRA hazardous waste. It is the generators responsibility to determine what is classified as a hazardous waste. Comply with all Federal, State, and local regulations.
Disposal of diking materials and absorbent in compliance with State, Local, and Federal regulations. When large amount of product use. Residue vapors may explode on ignition; DO NOT cut, drill, or well on or near the container. Mix with compatible chemical which is less flammable and incinerate.

SECTION XIV – TRANSPORT INFORMATION

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

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 considered to be a hazardous chemical under the OSHA Hazard Communication Satandard. Its hazards are: *Immediate (acute) health hazard *Delayed (chronic) health hazard *Reactive hazard
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).

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SECTION XV – REGULATORY INFORMATION (Continued)

SARA Title III: Section 311-312	This product is considered hazardous under OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370). Its hazard are: *Immediate (acute) health hazard *Delayed (chronic) health hazard *Reactive hazard
SARA Title III: Section 313	This product contains no chemicals which are subject to the reporting requirements of Section 313 of Title III of the superfund Amendments and Reauthoruzation Act of 1986 and 40 CFR Part 372.
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.

State Regulation

CA Right-to-Know Law California No Significant risk Rule	None None
MA Right-to-Know Law	This product contains no chemicals on the MA Subtance List.
NJ Right-to-Know	This product contains the following hazardous component subject to disclosure under NJ Right-to-Know legislation: NONE
PA Right-to-Know Law	This product contains the following hazardous component subject to disclosure under NJ Right-to-Know legislation: NONE
FL Right-to-Know Law	This product contains the following hazardous component subject to disclosure under NJ Right-to-Know legislation: NONE
MN Right-to-Know Law	This product contains the following hazardous component subject to disclosure under MN Right-to-Know legislation: NONE

International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)	Polyurethane CAS# 9009-54-5 is on the DSL List. WHMIS = D2B Ethyl Urocanate CAS# 27538-35-8 is on the List. WHMIS = N/DA Lactis Proteinum CAS# 91082-88-1is on the List. WHMIS = N/DA

Labeling according to directive – 1999/4/EC

European Community: 	**Foil Transfer Gel** • HAZARD SYMBOLS: **Xi:** Irritant • RISK PHRASE: **R22:** Harmful if swallowed **R36/38** Irritating to eyes and skin **R43:** May cause sensitization by skin contact. • SAFETY PHRASE: **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 insuffiecient ventilation, wear suitable respiratory equipment.

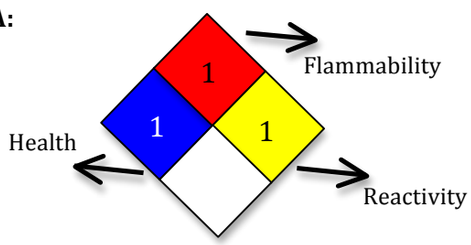
SECTION XVI – OTHER INFORMATION

EU Class and Risk/Safety Phrases for Referenced Ingredients (See Section 2):

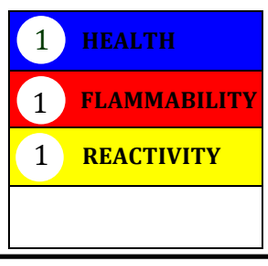
Hazard Symbol:
Xi – Irritants
Risk Phrases:
R36/37/38 – Irritating to eyes, respiration system, and skin.; R36/38: Irritating to eyes and skin; R43 May cause sensitization by skin contact .
Safety Phrases:
S2-Keep out of reach of children; S3/7-Keep container tightly closed in a cool place; S26-In case of contact with eyes, rinse immediately with plenty lukewarm water and seek medical advise; S28: After contact with skin, wash immediately with plenty of water; S36/37-Wear suitable protective clothing and gloves; S62 If swallowed, DO NOT induce vomiting; seek medical advice

Hazard Rating system (Pictograms)

NFPA:



HMIS:



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SECTION XVI – OTHER INFORMATION (continued)

N/E - Not Establish N/R – No Review N/DA – No Data Available N/A – Not Applicable
OSHA PEL for nuisance dust 15mg/m3 (total dust) 5mg/m3 (Respirable dust)
ACGIH PEL for nuisance dust 10mg/m3

Prepared By:	CHRISTRIO
Update Composition	Dec. 17th, 2018

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