

MATERIAL DATA SAFETY SHEET

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

SECTION I - PRODUCT IDENTIFICATION	REVISION DATE: 17/12/2018
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Product Name: NAIL INK
 Chemical Name: N/A
 Synonyms: INK
 Trade Name: **CHRISTRIO NAIL INK**
 Product use: Nail art 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
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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
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Chemical Identity	CAS#	EINEC#	INCI Name	Exposure OSHA TWA/STEL	LIMITS ACGIH TWA/STEL	Carcinogen	%
2-ethoxyethyl acetate	141-78-6	205-500-4	Ethyl Acetate	N/E	N/E	NOT LISTED	50-65
N-butyl acetate	123-86-4	204-658-1	Butyl Acetate	N/E	N/E	NOT LISTED	15-34
Cellulose, nitrate	9004-70-0	N/E	Nitrocellulose	N/E	N/E	NOT LISTED	.1-1
Propan-2-ol	67-63-0	200-661-7	Isopropyl Alcohol	N/E	N/E	NOT LISTED	3-7

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
Ethyl Acetate:	Hazard Symbol: Xi	Risk Phrases: R36/37/38	Safety Phrases: S14, S3/7, S62
Butyl Acetate:	Hazard Symbol: Xi	Risk Phrases: R36/38, R43	Safety Phrases: S2, S26, S28
Nitrocellulose:	Hazard Symbol: Xi	Risk Phrases: R36/37/38	Safety Phrases: S26, S37
Isopropyl Alcohol:	Hazard Symbol: Xi	Risk Phrases: R36/37/38	Safety Phrases: S26, S28

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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	Discontinue use of product. Apply cold compresses to affected areas to relieve any discomfort. If discomfort persists, contact a physician.
First Aid for Inhalation	If respiratory irritation occurs, remove individual to fresh air.
First Aid for Ingestion	Accidental ingestion of product may necessitate medical attention. In case of accidental ingestion dilute with fluids (water or milk) and treat symptomatically. Do not induce vomiting.

SECTION V - FIRE FIGHTING MEASURES

Flash Point (°F/°C)	Flammable Limit (vol %)	Auto-Ignition Temperature (vol %)
>70°F/21°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.
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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 60°C/140°F 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 60°C/140°F. 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	Avoid heat, sparks, flame, or smoking. Avoid extreme heat and ignition sources. Store away from oxidizers.
Explosion Hazard	Flammable Liquid. Explosive mixtures may form with air if large quantities of product are released in unventilated areas.

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SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls Personal Protective Equipment General Eye/Face Protection Skin Protection Respiratory Protection	Local exhaust recommended control exposure, which may result from operations generating aerosols and hot operations generating vapors. 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. Chemical splash goggles. Impervious gloves (Neoprene). 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.
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SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Odor & Odor Theshold	pH	Specific Gravity	Viscosity	% Volatile
Pigmented liquid	Characteristic odor	N/A	0.97-1.01	800-1200cP	By Volume:<.5

Boiling Point/Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient	Vapor Pressure	Vapor Density	Evaporation Rate	Ignition	Solution In Water
170°	N/A	N/A	(mm Hg) @ 20 C:<0.01	3.04 (ethyl acetate)	Very slow	N/D	Insoluble

Flash point (°F/°C)	Flammable Limit (Vol %)	Auto-ignition Temperature (Vol %)
>70 °F/21°C Setaflash	2.2-11	460°

SECTION X - STABILITY AND REACTIVITY

Stability: Stable under normal ambient condition when stored properly.	Incompatibility (Materials to Avoid): Sodium hydroxide, nitric acid, oxidizers, acids, alkali, metal, amines.
Hazardous Decomposition Products: Methane, oxide of nitrogen. Carbon acids, various hydrocarbons, oxides of carbon, aldehydes, , hydrogen cyanide, acids.	Hazardous Polymerization: May occur. Uncontrolled polymerization may cause rapid evolution of heat.

Conditions to Avoid:
 Avoid extreme heat and ignition sources. Store away from oxidizers.

SECTION XI - TOXICOLOGICAL INFORMATION

Ingredients	Acute Dermal Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity
Ethyl acetate	N/A	11300 mg/kg	2000ppm
Butyl acetate	N/A	14000 mg/kg	1600ppm (8hrs)
Isopropyl alcohol	13000 mg/kg	5840 mg/kg	16000ppm (8hrs)

Since this product contains very low concentration of active components, the primary toxicological information is derived from the obligomers. Further hazardous properties cannot be excluded. The prodcut should be handled with care when dealing with chemicals. Ptolonged contact may cause skin irriatation. Irritate of the nose and throat.

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

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SECTION XII - Ecological Information

Ecotoxicological The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices. Additional information is available from the supplier on request.

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

The following instructions are for consumer usage only. Do not discharge product into natural waters without pre-treatment or adequate dilution. Keep product closed to avoid volatilization. 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. California Waste Code: 331

SECTION XIV - TRANSPORT INFORMATION

DOT (49 CFR 172) (GND)	
Proper Shipping Name	Perfumery products with flammable solvents
Class or Division	3
UN or ID Number	1266
Special Provisions	Ltd. Qty. May be shipped as a Consumer Commodity ORM-D
Emergency Response Guidebook (ERG) #	N/A
IATA (DGR) (AIR)	
Proper Shipping Name	Perfumery products with flammable solvents
Class or Division	3
UN or ID Number	1266
Packing Instructions	II, Not exceed 5L (passengers), 60L (cargo)
Emergency Response Guidance(ICAO)#	N/A
IMO (IMDG)	
Proper Shipping Name	Perfumery products with flammable solvents
Class or Division	3
UN or ID Number	1266
Special Provision & Stowage/Segregation	None
Emergency Schedule (EmS)#	N/A
Other Information	Flash point >170°

SECTION XV - REGULATORY INFORMATION

EU DPD (Dangerous Products Directive) Classification (DPD 88/379/EEC). Regulated as a Cosmetic and/or Drug by the FDA (U.S.), HPB (Canada), Cosmetics Directive (EU), MHW (Japan) and China (MOH). While this finished product is not considered hazardous as defined by OSHA in 29 CFR 1900.1200 (d), this MSDS contains valuable information critical to the safe handling and proper use of the product. US Federal The products described in this Material Safety Data Sheet are regulated under the Federal Food, Drug and Cosmetics Act and are safe to use as per directions on container, box or accompanying literature (where applicable).

CERCLA reportable quantity (RQ):

INGREDIENTS	CAS #	LEVEL	RQ
Ethyl Acetate	141-78-6		5000 lbs.
Butyl Acetate	123-86-4		5000 lbs.
Nitrocellulose RCRA Hazardous Waste No. D001/Unlisted Hazardous Waste Characteristic of Ignitability	9004-70-0		100 lbs.
Isopropyl Alcohol RCRA Hazardous Waste No. D001/Unlisted Hazardous Waste Characteristic of Ignitability	67-63-0		100 lbs.

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SECTION XV – REGULATORY INFORMATION (Continued)

SARA Title III: Section 302, 304, 311, 312	This product is not 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 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.
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: The following ingredients are present in the finished product and are listed on the following state right-to-know lists:


INGREDIENTS	CAS#	LEVEL	STATE				
			IL	MA	NJ	PA	RI
Ethyl Acetate	47-78-6		IL	MA	NJ	PA	RI
Butyl Acetate	123-86-4		IL	MA	NJ	PA	RI
Nitrocellulose	9004-70-0		IL	MA	NJ	PA	RI
Isophopyl Alcohol	67-63-0		IL	MA	NJ	PA	RI

US Federal: The products described in this Material Safety Data Sheet are regulated under the Federal Food, Drug and Cosmetics Act and are safe to use as per directions on container, box or accompanying literature (where applicable).

International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)	All ingredients are CEPA approved for import to Canada. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and this MSDS contains all information required by the CPR.
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Labeling according to directive – 1999/4/EC

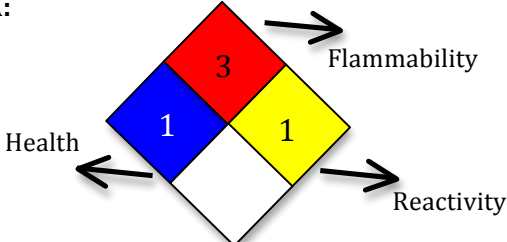
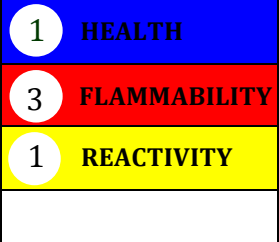
European Community: 	Nail Ink <ul style="list-style-type: none"> HAZARD SYMBOLS: Xi: Irritant RISK PHRASE: R22: Harmful if swallowed R36/38 Irritating to eyes and skin R43: May cause sensitization by skin contact. SAFETY PHRASE: S18: Handle and open container with care, S24/25: Avoid contact with skin and eyes, S36/37: Wear suitable protective clothing and gloves, S38: In case of insufficient ventilation, wear suitable respiratory equipment.
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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) H225 Highly flammable liquid
 ACGIH PEL for nuisance dust 10mg/m³ H319 May cause serious eye irritation H336 May cause drowsiness and dizzy

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

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