



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: WIPING SOLUTION

Chemical Name: N/A

Family Name: CLEANSING AGENT

Product Use: NAIL PREP

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: Hazardous Ingredient

Chemical Identity/ INCI Name	CAS#	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/ OSHA	%
Ethyl Acetate	141-78-6	N/DA	N/DA	Not Listed	30
Isopropyl Alcohol	67-63-0	N/DA	N/DA	Not Listed	45
Isobutyl Acetate	110-19-0	N/DA	N/DA	Not Listed	25
Blue 1/CI42090	3844-45-9	N/DA	N/DA	Not Listed	1ppm

N/E – None Established
N/R – Not Reviewed
ND/A – No Data Available
N/A – Not Available

Section III: Hazard Identification

EMERGENCY OVERVIEW

- May cause skin irritation.
- Flammable liquid and vapor.
- May cause eye irritation
- Avoid prolonged or repeated breathing of gases, vapors or mist.

Potential Health Effects, signs and symptoms of Exposure:

Primary Route of Entry: Inhalation, skin, and ingestion.

Eye: Liquid contact with eyes can cause irritation and possible corneal damage.

Skin: Repeated/prolonged contact may cause drying of skin, symptoms include redness, burning, drying, cracking and skin burns.

Ingestion: Swallowing small amounts during normal handling is not likely to harmful effects, swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting.

Inhalation: Vapor are irritating to nasal passages and throat and may cause headache. Symptoms usually occur at air concentrations higher than the recommended exposure limits.

Sub-Chronic Effects: Significant exposure to this chemical may adversely effect people with chronic disease or may cause damage to the respiratory system, skin and eyes.

NOTE: Refer to section XI, Toxicological Information for Details.

Section IV: First Aid Measure

First Aid for eye: Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.

First Aid for Skin	Wash with soap and water. Remove contaminated clothing. Get medical help if discomfort persists. Wash clothing before reuse.
First Aid for Inhalation	Remove to fresh air. If having breathing difficulty, give oxygen. If breathing has stopped, give artificial respiration. Get medical help if discomfort persists.
First Aid for Ingestion	Rinse mouth thoroughly with water. Only induce vomiting if directed by a physician. Never give anything by mouth to an unconscious person. Seek prompt medical attention.

Section V: Fire fighting Measures

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
TAG CLOSED 68°F	Level: 2%; UEL:11.4%	N/DA

Method: Extinguishing Media: Fire Fighting Instructions:	Use CO2 or dry chemical for small fires or alcohol type aqueous film forming foam. If potential for exposure to vapors or products of combustion, wear complete personal protective equipment including self contained breathing apparatus, with full face operated in pressure demand. Fight fire from a safe distance/protected location.
Unusual Hazards:	Flammable. When exposed to heat and flame, material is a fire explosion hazard. Vapor is heavier than air can travel considerable distance to source of ignition and flash back. Material creates a special hazard if it floats on water.

Section VI: Accident Release Measures

Spill or release	Evacuate area and eliminate all possible sources of ignition. Use self-contained breathing apparatus and protective clothing. Dike and absorb with inert materials (sand, soda, ash, vermiculite, etc.) and then transfer to proper containers for disposal, using non-sparkling tools. Keep spills out of sewers and open bodies of water. Remove saturated clothing and wash affected skin areas with soap and water.
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Section VII: Handling and Storage

Handling	Closed containers exposed to temperature above (120°F) in transit or storage may develop vapor pressure. Open containers slowly. Ground all metal containers when transferring material. Wash face and hands thoroughly with soap and water after handling and before eating, drinking, or smoking.
Storage	Store in cool well ventilated away from heat, sparks, and flame. Keep containers closed when not in use.
Explosion Hazard	Flammable liquid. 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	Use process enclosures local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment.
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Personal Protective Equipment

General	Use complete protective equipment, as specified below. Provide eye wash stations and showers.
Eye/Face Protection	Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type of safety glasses.
Skin Protection	Wear chemical resistant resistant neoprene rubber gloves.
Respirator Protection	Use self contained breathing apparatus when needed.

Section IX: Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	Special Gravity	Viscosity	% Volatile
Clear, colorless, Mobile liquid	fruity, pungent mix odor		N/A	(H2O=1):	N/A W/W%:99+

Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning	Vapor Pressure	Vapor Density	Evaporation Rate	Ignition	Solubility in Water
77°C	N/A	N/DA	Coefficient Log Po/w 73MMHg	(Air=1):	(Butyl Acetate @20°C 3.0	N/A =1):4.5	8.7%

Section X: Stability and Reactivity

Stability: Stable	Incompatibility (Materials to Avoid): Oxidizing Agent i.e. Hydrogen Peroxide, Nitric Acid, Perchloric Acid, Chromium Trioxide
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Hazardous Decomposition Products: Carbon Monoxide	Hazardous Polymerization: Will not occur
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Condition to Avoid:
Heat, sparks, flame.

Section XI: Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation	Irritation-Skin	Irritation-Eye
Mouse: LD50 =3600mg/kg;	N/DA	Rat=1030ug/m3/16W	Skin, rabbit: LD50=	N/DA 12800mg/kg

Sensitization
N/DA

Mutagenicity
Rat=1030ug/m3/16W

Sub-chronic Toxicity
N/DA

Section XII: Ecological Information

Ecological Information

Acute Toxicity To Fish	Acute Toxicity to Invertebrate	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
Lc50/96-hrs values For fish are over 100mg/L	N/DA	N/DA	N/DA	N/DA

Chemical Fate Information

Biodegradability

When released into the soil, this material is expected to quickly evaporate. When released into soil, this material may leach into groundwater. When release into the soil, this material may biodegrade to a moderate extend. When released to water, this material is expected to quickly evaporate. When released into the water, this material is expected to have a half-life between 1 to 10 days. When release into water, this material may biodegrade to moderate extend. This material is no expected to significantly bio-accumulate.

Chemical Oxygen Demand

N/DA

Section XIII: Disposable Concentrations

- All notification, clean up and disposal should be carried out in accordance with Federal, State and Local government regulations. Mix with compatible chemical which is less flammable and incinerate.

Section XIV: Transport Information

- DOT/UN Shipping Name: Alcohol, N.O.S., Class 3, UN 1987, PG I

Section XV: Regulatory Information

US Federal Regulations:

Clean Air Act: HAP/ODS
Clean Water Act: Priority Pollutant

This product contains no hazardous air pollutant (HAP): NONE
This following ingredients are listed as hazardous pollutants under the CWA: Isobutyl Acetate CAS # 110-19-0. None of the ingredients are listed as primary pollutants nor are they listed as toxic pollutants.

FDA: Food Packaging Status

This product has not been cleared by the FDA for use in food packaging and/or other applications as an indirect food additive.

Occupational Safety and Health Act

This product is considered to be a hazardous chemicals under the OSHA Hazard Communication Standard. Its hazards are:

Immediate (acute) health hazard;
Fire hazard.

RCRA

This product is considered to be hazardous waste under RCRA (40 CFR 261) RCRA Code: U112: Ethyl Acetate CAS # 141-78-6.

SARA Title III: Section 302
SARA Title III: Section 304

This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances. This product contains chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List). Ethyl Acetate CAS # 141-78-6. RQ (lbs) 5000, Isobutyl Acetate CAS # 110-19-0 RQ (lbs) 5000.

SARA Title III: Section 311-312

This product contains hazardous substance under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370). Its hazards are: None

Immediate (acute) health hazard;
Fire hazard

SARA Title III: Section 313

This product contains the following chemical 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 contain chemicals listed on the TSCA inventory requirements or otherwise complies with TSCA premanufacture notification requirements..

State Regulations:

CA Proposition 65

Ethyl Acetate CAS # 141-78-6, Isopropyl Alcohol CAS # 67-63-0, Isobutyl Acetate CAS # 110-19-0.

MA Right-to-Know Law: Ethyl Acetate CAS # 141-78-6, Isopropyl Alcohol CAS # 67-63-0, Isobutyl Acetate CAS 110-19-0.
NJ Right-to-Know Law: Ethyl Acetate CAS # 141-78-6, Isopropyl Alcohol CAS # 67-63-0, Isobutyl Acetate CAS # 110-1-0.
PA Right-to-Know Law: Ethyl Acetate CAS # 141-78-6, Isopropyl Alcohol CAS # 67-63-0, Isobutyl Acetate CAS # 110-19-0.
FL Right-to-Know Law: Ethyl Acetate CAS # 141-78-6, Isopropyl Alcohol CAS # 67-63-0, Isobutyl Acetate CAS # 110-19-0.

International Regulations:

CDSL: Canadian Inventory
(on Canadian Transitional List)

Ethyl Acetate CAS# 141-78-6, Isopropyl Alcohol CAS # 67-63-0,
Isobutyl Acetate CAS # 110-19-0.

EINECS: European Inventory:

Isobutyl Acetate CAS # (203-745-1)
▪ Hazard Symbol (F), R Values (R11), S Values (S9, S16, S23, S29, S33)
Ethyl Acetate (205-500-4)
▪ Hazard Symbol (X1 F), R Values (R11, R36, R66, R67), S Values (S16, S26, S33)
Isopropyl Alcohol (200-661-7)
* Hazard Symbol (f), R Values (R11), S Values (S7, S16)

Section XVI: Other Information

Hazard Rating System

NFPA: Health=2/ Flammability=3/ Reactivity=0
HMIS: Health =2/ Flammability=3/ Reactivity =1

Product Number-

Revised: July 3rd, 2009

Supersedes Date: 02/01/07

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