

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEMICAL NAME: N/A
PRODUCT NAME: French Topcoat
TRADE NAME/PRODUCT CODE: N/A
PRODUCT USE: Professional Use Only

MANUFACTURER: CHRISTRIO CORP.
MANUFACTURER ADDRESS: 6602 Doolittle Ave Riverside, CA 92503
EU ADDRESS: 167-171 Willoughby Lane, Tottenham, London N17 0SB; UK

24 HR. EMERGENCY TELEPHONE: 001 352 323 3500
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SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: **Flammable liquid and vapor**
May be slightly toxic
May cause chemical burn in eyes
May cause moderate skin injury (reddening & swelling)

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, contact may cause slight transient irritation. Materials may act as Lachrymator (a substance which increases the flow of tears).

Skin: Contains materials that may cause moderate skin injury (reddening and swelling) and/or sensitization. Prolonged contact may cause blister formation (burns). Since irritation may not occur immediately, contact can go unnoticed.

Inhalation: May cause respiratory tract irritation with the presence of monomer. Vapors may cause dizziness or suffocation.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Conditions Aggravated by Exposure: No specific information is available. Limited test showed no evidence of teratogenicity in animals. A lifetime skin painting study with 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

ITEM	CHEMICAL NAME	CAS#	EINECS#	R Phrases	%
01	Ethyl Acetate	141-78-6	N/A	N/A	30
02	Butyl Acetate	123-86-4	N/A	N/A	30
03	Isopropyl Alcohol	67-63-0	N/A	N/A	30

04	Methyl Ethyl Ketone	78-93-3	N/A	N/A	20
05	Collodion Nitrocellulose	9004-70-0	N/A	N/A	10

SECTION 4: FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

EYES:	Flush eyes with plenty of lukewarm water for 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention. Do NOT allow victim to rub or keep eyes closed!
SKIN:	Wash contact area with soap and water for 15 minutes. Seek medical attention if symptoms persists.
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.
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.

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 Carbon Dioxide or 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. Eliminate all sources of heat and ignition. Use absorbent material for spills and dike, wash spilled material into retaining containers. Place containers in well-ventilated area. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or soak up spill with inert solids (such as clay or vermiculite) and place in a chemical waste container. Do NOT use combustible materials such as sawdust.
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: Ground and bond containers when transferring material. 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: Keep away from heat, sparks, and flame. 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

ITEM*	ACGIH		OSHA	
	TLV-TWA	TLV-STEL	PEL TWA	PEL CEILING
Ethyl Acetate	N/E	N/E	N/E	N/E
Butyl Acetate	N/E	N/E	N/E	N/E
Isopropyl Alcohol	N/E	N/E	N/E	N/E
Methyl Ethyl Ketone	N/E	N/E	N/E	N/E
Collodion Nitrocellulose	N/E	N/E	N/E	N/E

- 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 safety goggles. Wear coverall chemical splash goggles and face shield when possibly exits for eye and face contact due to splashing or spraying material.

HAND/SKIN PROTECTION: Wear impervious clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole body suit. Nitrile rubber is better than PVC.

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 station 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:	Clear, semi-viscous
PHYSICAL STATE:	Liquid
ODOR:	Sweet Ester Oil
ODOR THRESHOLD:	NA
pH:	N/A
FREEZING POINT:	N/A
BOILING POINT:	171°F-228°F
FLASH POINT:	24°F/-4.45°C
EVAPORATION RATE (BuAc =1):	>1.0
FLAMMABLE LIMIT, AIR VOL%	
LOWER:	N/A
UPPER:	N/A
VAPOR PRESSURE:	N/DA
VAPOR DENSITY (AIR=1):	Heavier than air
RELATIVE DENSITY:	N/D
SPECIFIC GRAVITY (H₂O=1):	7.502lb/gl
SOLUBILITY IN WATER: (20°C)	Moderate
AUTOIGNITION TEMPERATURE:	ND/A
DECOMPOSITION TEMPERATURE:	NA
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:	ND/A
For Mixture:	
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

DOT (GROUND) PROPER SHIPPING NAME: Paint

TECHNICAL NAME: N/A

DOT/UN CLASS: DOT Haz Class: 3 (Flammable Liquid)

NA/UN NUMBER: UN#: 1263

PACKING GROUP: PGII

DOT RQ: N/A

MARINE POLLUTANT: No

SECTION 15: REGULATORY INFORMATION

United States:

Clean Air Act: HAP/ODS: This product contains the following Hazardous Air Pollutant (HAP's):
•Benzophenone, CAS # 119-61-9 ODS
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

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
This product contains chemicals regulated under Section 304 as extremely hazardous

chemicals for emergency release notification ("CERLA" List).
•Ethyl Methacrylate, CAS #97-63-2, RQ (lbs): 1000

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: California Prop 65: This product may contain components that are covered under specific state criteria. None of the components in this product are listed in California's Prop 65.

Canada: Ethyl Methacrylate, CAS# 97-63-2 is on the DSL list. WHMIS = B2, D2B.
Tetraethylene Glycol Dimethacrylat, CAS# 109-17-1 is not on the DSL list. WHMIS = N/DA
Benzophenone, CAS# 119-61-9 is on the DSL list. WHMIS = N/DA
D&C Violet #2, CAS# 81-48-1 is not on the DSL list. WHMIS N/DA

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, F – Flammable



RISK STATEMENTS:
R22: Harmful if swallowed
R36/37/38: Irritating to eyes, respiratory system, and skin
R43: May cause sensitization by skin contact

SAFETY STATEMENTS:
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.
S46: If swallowed seek medical advice immediately and show this container or label.

SECTION 16: OTHER INFORMATION

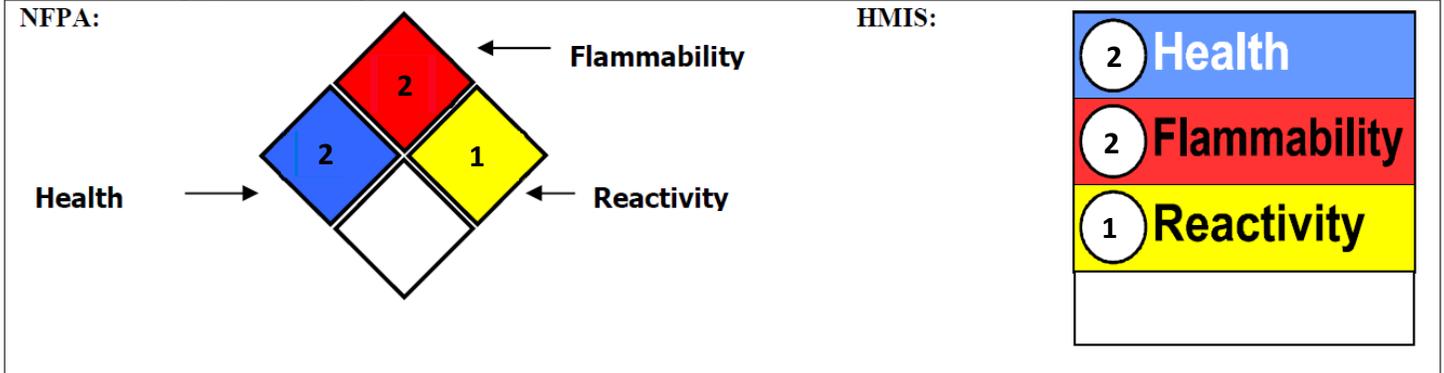
HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS) RATING:

HEALTH: 2
FLAMMABILITY: 2
REACTIVITY: 1
PERSONAL PROTECTIVE EQUIPMENT: N/A

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD IDENTIFICATION RATING:

HEALTH: 2
FLAMMABILITY: 2
REACTIVITY: 1
SPECIAL INFORMATION: N/A

Hazard Rating System (Pictograms)



ABBREVIATIONS:

NA	Not Applicable	ND	Not Determined
NE	Not Established	G	Gallon
ppm	parts per million	L	Liter
mg	Milligram	mol	Mole
gm	Gram	μ	Micro
kg	Kilogram	p	Pico
mm	Millimeter	c	cento
Pa	Pascals	LD	Lethal Dose
LC	Lethal Concentration	TD	Toxic Dose
TC	Toxic Concentration	COD	Chemical Oxygen Demand
BOD	Biological Oxygen Demand	ThOD	Theoretical Oxygen Demand
Lo	Lowest	IC	Inhibitory Concentration
TLm	Threshold Limit	M	Months
DOC	Dissolved Organic Carbon	Y	Years
H	Hours		
D	Days		
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
 Dec. 19th, 2013
 Jul. 16th, 2025

Format update

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.