



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: Clean The Green

Chemical Name: N/A

Family Name: N/A

Manufacturer: CHRISTRIO CORP.
 1950 Compton Ave. #103
 Corona, CA. 92881

Product Use: To prevent/treat fungal growth

Emergency Phone #: 800 535- 5053

International Phone #: 1-352-323-3500

Product #:

Information Contact: (951) 808 – 4730

Section II: Product composition/Ingredients

Chemical Identity	CAS#	INCI Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/ OSHA	%
Heptane	142-82-5	Heptane	400ppm	400ppm	Not Listed	40
Ethyl Acetate	141-78-6	Ethyl Acetate	400ppm	400ppm	Not Listed	40
Isopropyl Alcohol	67-63-0	Isopropyl Alcohol	150ppm	150ppm	Not Listed	19
Tolnaftate	2398-96-1	Tolnaftate	N/DA	N/DA	Not Listed	1

Hazard symbols: Xi, F **Risk Phrases:** R20, R36, R66, R67 **Safety Phrases:** S16, S26, S67

N/E – None Established

N/R – Not Reviewed

ND/A – No Data Available

N/A – Not Available

Section III: Hazard Identification

EMERGENCY OVERVIEW

- May be slightly toxic.
- May cause moderate skin injury (reddening & swelling).
- May cause chemical burn in eye.
- Suspect respiratory tract irritation hazard.

Protential Health Effects, Sign and Symptoms of Exposure:

Primary Route of Entry Inhalation, skin contact, eye contact.

Eye Exposure causes eye irritation. Symptoms include stinging, tearing, redness and swelling.

Skin Can cause skin irritation. Prolonged or repeated contact may dry skin. Symptoms may include redness, burning, drying, cracking, and skin burns.

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

Inhalation Vapor and mist are irritating to mucous membranes. Breathing small amount during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits

Sub-Chronic effects May cause headaches, nausea, vomiting and narcotic effect if over exposed.

NOTE: Refer to Section 11, Toxicological Information for details.

Section IV: First Aid Measure

First Aid for Eye If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently for 15 minutes with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

First Aid for Skin Remove contaminated clothing and wash exposed area with soap and water. If symptoms persist, seek medical attention.

First Aid for Inhalation Remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, seek medical attention.

First Aid for Ingestion If individual is drowsy or unconscious, do not give any thing by mouth: place individual on the left side with head down. Seek medical attention for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Section V: Fire fighting Measures

Flash Point (°F/°C)	Flammable Limit (Vol %)	Auto-ignition Temperature (Vol %)
TAG CLOSED	40°F	ND/A

Method:

Extinguishing Media: Foam, dry chemical, cold water spray

Fire Fighting Instructions: Cool fire exposed containers with water, remove away from building. Use self-contained breathing apparatus to fight fire.

Unusual Hazards: When exposed to heat and flame, material is a fire explosion hazard. It may produce toxic products CO, Carbon Dioxide and oxides of nitrogen.

Section VI: Accident Release Measures

Spill or Release Procedure: Eliminate all sources of heat and ignition. Use absorbent material for spills and dike it, wash spilled material into retaining containers. Place containers in well ventilated area.

Section VII: Handling and Storage

Handling: Keep containers in cool and dry. Keep away from heat, light and ignition sources.

Storage: Store in well ventilated area. Store @ 70 + 15°F, allow some air space above liquid level. Keep containers closed while not in use.

Explosion Hazard: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking or other ignition sources at locations distant from material handling point. 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.

Personal Protective Equipment

Eye/Face Protection Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other types of safety glasses.

Skin Protection Wear resistant gloves. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respirator Protection Use organic vapor mask and local exhaust vents.

Section XI: Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	Special Gravity	Viscosity	% Volatile
Clear liquid	Hydrocarbon Odor	N/A	(H ₂ O=1):0.98	W/W	99+

Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log P _{o/w}	Vapor Pressure	Vapor Density	Evaporation Rate	Ignition	Solubility in Water (20°C)
170°	N/A	N/A	N/A	(Air=1):1	N/A	N/A	Insoluble
Flash Point (°F/°C)		Flammable Limit (vol%)		Auto-ignition Temperature (vol%)			
ND/A		ND/A		ND/A			

Section X: Stability and Reactivity**Stability:** Stable**Incompatibility (Materials to Avoid):**
Avoid oxidizing agents, acids & bases (heat).**Hazardous Decomposition Products:** Heated material produce NO₂, CO₂, CO.**Hazardous Polymerization:** Will not occur.**Condition to Avoid:** Heat, flame, ignition sources.**Section XI: Toxicological Information**

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation-Skin	Irritation-Eye
Mouse:LD50=4100mg	N/A	Mouse:LC50=45gm /m3/2H	Rabbit LD50=>20 gm/kg	ND/A

Sensitization	Mutagenicity	Sub-chronic Toxicity
ND/A	Hamster fibroblast 9g/L sex N/DA Chromosome loss/Non-disjunction: S. Cerevisiae 24400ppm	ND/A

Section XII: Ecological Information

Acute Toxicity Fish	Acute Toxicity to Invertebrate	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
Fathead Minnow: 230mg/L 96Hdaphid LC50=2500 mg/L/96H	ND/A	ND/A	ND/A	ND/A

Chemical Fate Information

Biodegradability	May evaporate at a moderate extent in both soil and water. Half life of 1 day in water.
Chemical Oxygen Demand	ND/A

Section XIII: Disposable Concentrations

Dispose of diking materials and absorbent in compliance with State, Local, and Federal regulations.

Section XIV: Transport Information

DOT/UN	
Shipping Name:	UN1993
Identification Number:	N/A
Marine Pollutant:	No
Special Provisions:	None
Emergency Response Guidebook (ERG) #:	N/A
IATA (DGR)	
Proper Shipping Name:	Non-regulated Material

Class or Division:	N/A
UN or ID Number:	N/A
Packaging Instructions:	None
Emergency Response Guidance (ICAO) #:	
IMO (IMDG):	
Proper Shipping Name:	Non-Regulated Material
Class of Division:	N/A
UN or ID Number:	N/A
Special Provision & Storage/Segregation:	None
Emergency Schedule (EmS)#:	N/A
Other Information: Flash point >	100°C

Section XV: Regulatory Informatio

US Federal Regulations:

US Federal Regulations:


Clean Air act: HAP/ODS	This product contains the following Hazardous Air Pollutant (HAP's): • None
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 clear by the FDA for use in food packaging and/or other applications and indirect food packaging additive.
Occupational Safety and Health Act	This product is considered to be hazardous under the OSHA Hazard Communication Standard. It's hazards are: • Immediate (acute) health hazard • Fire hazard
RCRA	This product contains the following chemicals considered to be hazardous waste under RCRA (40 CFR 261).Ethyl Acetate CAS # 141-78-6 RCRA Code: U112
SARA Title III: Section 302 (TPQ)	This product contains the following chemicals regulated under SARA 302: None
SARA Title III: Section 302(RQ)	
SARA Title III: 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). Is hazard are: • Immediate (acute) health hazard • Fire hazard
SARA Title III: Section 313	This product contains the following 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: Isopropyl Alcohol CAS #67-63-0.
TSCA Section 8 (b): Inventory	This product contains chemical listed on the TSCA inventory or otherwise complies with TSCA pre-manufacture notification requirements.

State Regulations:

CA Right-to-Know law:	Ethyl Acetate CAS # 141-78-6; Heptane CAS #142-82-5; Isopropyl
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CA No Significant Risk Rule:	Alcohol CAS # 67-63-0.
MA Right-to-Know Law:	Ethyl Acetate CAS # 141-78-6; Heptane CAS # 142-82-5; Isopropyl Alcohol CAS # 67-63-0.
NJ Right-to-Know Law:	Ethyl Acetate CAS # 141-78-6; Heptane CAS # 142-82-5; Isopropyl Alcohol CAS # 67-63-0.
PA Right-to-Know Law:	Ethyl Acetate CAS # 141-78-6; Heptane CAS # 142-82-5; Isopropyl Alcohol CAS # 67-63-0.
FL Right-to-Know Law:	Ethyl Acetate CAS # 141-78-6; Heptane CAS # 142-82-5; Isopropyl Alcohol CAS # 67-63-0.
MN Right-to-Know Law:	Ethyl Acetate CAS # 141-78-6; Heptane CAS # 142-82-5; Isopropyl Alcohol CAS # 67-63-0.

International Regulations:

CDSL: Canadian Inventory (on Canadian Transitional List)	Ethyl Acetate CAS # 141-78-6; Heptane CAS # 142-82-5; Isopropyl Alcohol CAS # 67-63-0.
EINECS: European Inventory: 	Isopropyl Alcohol CAS # 67-63-0. <ul style="list-style-type: none"> • Hazard Symbol: F: Flammable • Risk Phrases: R11: • Safety Phrases: S7, S16: Ethyl Acetate (205-500-4) <ul style="list-style-type: none"> • Hazard Symbol: Xi: Irritant; F: Flammable • Risk Phrases: R11, R36, R66, R67: • Safety Phrases: S16, S26, S33: Tolnaflate (N/A) <ul style="list-style-type: none"> • Hazard symbol (N/A), R values (N/A), S Values (N/A)

Section XVI: Other Information

Hazard Rating System

NFPA: Health 2/ Flammability 3/ Reactivity 0

HMIS: Health 2/ Flammability 3/ Reactivity 0

Revised: July 3rd, 2009

Revised Sections since Last Version	Section 2 contents and format update throughout.
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