

MATERIAL DATA SAFETY SHEET

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

SECTION I – PRODUCT IDENTIFICATION

REVISION DATE: 07/16/2025

Product Name: CLEAN THE GREEN
Chemical Name: N/A
Synonyms: CLEAN THE GREEN
Trade Name: **CLEAN THE GREEN**
Product use: Antifungal solution
Distributor's Name: CHRISTRIO
COMPANY Address: 6602 Doolittle Ave Riverside, CA 92503
Information Contact: 1 951 808 4730
24 Hr. Emergency Telephone: 001 352 323 3500
3500 EU Address: 167a 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

- Flammable liquid and vapor
- Aspiration hazard if swallowed
- Can enter lungs and cause damage
- Dangerous for the environment
- May cause eye and skin irritation
- May cause respiratory tract irritation

Potential Health Effects, Signs, 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 the skin. Symptoms may include redness, burning, drying and cracking, and skin burns.
Ingestion	Causes gastrointestinal irritation with nausea, vomiting and diarrhea. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal. May cause agitation, delirium, convulsions, and muscle spasms.
Inhalation	Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Causes respiratory tract irritation. Aspiration may lead to pulmonary edema. Vapors may cause dizziness or suffocation.
Sub-Chronic Effects	Prolonged or repeated skin contact may cause dermatitis. Effects may be delayed. Chronic exposure may cause thyroid damage with thyroid enlargement, a decrease in metabolic rate, the symptoms of hypothyroidism, and reduction in the protein-bound fraction of the serum iodine and in the thyroxin content of the thyroid gland. May cause skins rashes, occasionally an exfoliated dermatitis occurs and may prove fatal.

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	%
n-Heptane	142-82-5	205-563-8	Heptane	500ppm	400ppm	No/no/no	≥40
Ethyl Acetate	141-78-6	205-500-4	Ethyl Acetate	400ppm	400ppm	NOT LISTED	≤40
Isopropyl Alcohol	67-63-0	200-661-7	Isopropyl Alcohol	400ppm	400ppm	3/no/no	<20
Tolnaftate	2398-96-1	21-266-6	Tolnaftate	N/DA	N/DA	Not Listed	<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

n-Heptane: Hazard Symbol – Xn, F, N Risk Phrases – R11, R38, R50/53, R65, R67 Safety Phrases – S2, S9, S16, S29, S33, S60, S61, S62
Ethyl Acetate: Hazard Symbol: F, Xi Risk Phrases: R11, R36, R66, R67 Safety Phrases: S2, S16, S26, S33
Isopropyl Alcohol: Hazard Symbol – F, Xi Risk Phrases – R11, R36, R67 Safety Phrases – S2, S7, S16, S24/25, S26

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SECTION IV - FIRST AID MEASURES

First Aid for Eye	If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.
First Aid for Skin	Remove contaminated clothing. 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	Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Possible aspiration hazard. Get medical aid immediately.

SECTION V - FIRE FIGHTING MEASURES

Flash Point (°F/°C)	Flammable Limit (vol %)	Auto-Ignition Temperature (vol %)
TAG CLOSED 40°F/4.44°C	400PPM	N/DA

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 - ACCIDENTAL RELEASE MEASURES

Spill or Release Procedures	Eliminate all sources of heat and ignition. Use absorbent material for spills and dike it, wash spill material into retaining containers. Place containers in a 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 absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as sawdust. Do not flush to sewer! 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. EU Regulations require the consultation of Directive 98/24/EC. If a leak or spill has not ignited, use water spray to disperse the vapors, to
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SECTION VII - HANDLING AND STORAGE

Handling	Wash thoroughly after handling. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks, and flame. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks, or open flames. Use only with adequate ventilation. Avoid breathing vapor.
Storage	Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in well-ventilated area. Store @ 70°F+/- 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 move 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.

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Engineering Controls Facilities storing or utilizing this material should be equipped with an eye facility and safety shower. Use process enclosures local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. IDLH for: CAS# 142-82-5: 750 ppm (NIOSH)
CAS# 141-78-6: 10% lower explosive limit
CAS#: 67-63-0: 10% lower explosive limit

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 body suit. Nitrile rubber is better than PVC.

Eye/Face Protection Use impermeable clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole body suit. Nitrile rubber is better than PVC.

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

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

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Odor & Odor Theshold	pH	Specific Gravity	Viscosity	% Volatile
Clear liquid	Fruity ester odor	N/A	(H2O=1) : 0.98	N/DA	W/W % : 99+

Boiling Point/Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient	Vapor Pressure	Vapor Density	Evaporation Rate	Ignition	Solution In Water
170°F(77°C)	N/A	N/A	N/A	(Air=1): 1	N/D	N/D	N/A

Flash point (°F/°C)	Flammable Limit (Vol %)	Auto-ignition Temperature (Vol %)
TAG CLOSED 40°F/4.44°C	400ppm	N/DA

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

Conditions to Avoid:
Heat, flame, ignition sources.

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation - Skin	Irritation - Eye
Oral, rat: LD50 CAS# 141-78-6 = 5620 mg/kg CAS#67-63-0 = 5045 mg/kg	Skin, rabbit: LD50 CAS#141-78-6=>20 MI/kg CAS#67-63-0= 12800 mg/kg	Inhalation, rat: LC50 CAS#142-82-5= 103 gm/m3/4H CAS#141-78-6= 200 gm/m3	Mild	Mild

Sensitization	Mutagenicity	Sub-chronic Toxicity
N/DA	CAS#: 141-78-6=Hamster fibroblast, 9 g/L sex chromosome loss/non disjunction: S .cerevisiae, 24400 ppm	N/DA
RTECS#:	CAS#142-82-5, MI7700000 CAS#141-78-6, AH5425000 CAS#67-63-0, unlisted	

SECTION XII - Ecological Information

Acute Toxicity To Fish	Acute Toxicity To Ivertebrates	Acute Toxicity To Algae	Bioconcentration	Toxicity to Sewage Bacterials
CAS#:142-82-5=Goldfish LC50 = 4.0 mg/L24H CAS#:141-78-6=Flathead minnow: LC50=230mg/L96H CAS#:67-3-0= Flathead ninnow: LC50=100mg/L96H	N/DA	N/DA	N/DA	N/DA

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SECTION XII - Ecological Information cont.

Biodegradability	The substance is toxic to aquatic organisms. In the food chain important to humans, bioaccumulation takes place, specifically in fish. No other information available
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

Dispose of diking materials and absorbent in compliance with State, Local, and Federal regulations. Residual vapors may explode on ignition; do not cut, drill, or weld on or near the container. Mix with compatible chemical which is less flammable and incinerate. Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements. For EU Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

SECTION XIV - TRANSPORT INFORMATION

DOT (49 CFR 172) (GND)	
Proper Shipping Name	UN1993, Flammable liquids, n.o.s., (acetone, ethyl acetate), 3, PGII
Identification	UN1993
Marine Pollutant	No
Special Provisions	T8, T31
Emergency Response Guidebook (ERG) #	128
IATA (DGR) (AIR)	
Proper Shipping Name	UN1993, Flammable liquids, n.o.s., (acetone, ethyl acetate), 3, PGII
Class or Division	3
UN or ID Number	UN1993
Packing Instructions	None
Emergency Response Guidance(ICA0)#	3L
IMO (IMDG)	
Proper Shipping Name	UN1993, Flammable liquids, n.o.s., (acetone, ethyl acetate), 3, PGII
Class or Division	3.2
UN or ID Number	UN1993
Special Provision & Stowage/Segregation	None
Emergency Schedule (EmS)#	3-07
Other Information	Flash point =4.44 deg C

SECTION XV - REGULATORY INFORMATION

Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutants (HAP's), NONE This product contains no ODS's (ozone depleting substance) as defined by the U.S Clean Air Act.
Clean Water Act: Priority Pollutant	This product contains the following chemicals listed under the U. S. Clean Water Act Priority Pollutant and Hazardous Substance List: NONE
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 packaging additive.
Occupational Safety and Health Act	This product is considered to be hazardous under the OSHA Hazard Communication Standard. Its hazard are: Immediate (acute) health hazard · Chronic (delayed) 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 · Acetone, CAS# 67-64-1, RCRA Codes U002 May contain Characteristic of Ignitability: RCRA Code: D001
SARA Title III: Section 302 (TPQ)	This product contains chemicals regulated under Section 302-304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List): · Acetone, CAS# 67-64-1, RQ(lbs.): 5,000 · Ethyl Acetate CAS# 141-78-6, RQ(lbs.): 5000 · Isobutyl Acetate CAS# 110-19-0, RQ(lbs.): 5000
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 to be hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370). Its hazards are: · Immediate (acute) health hazard · Chronic (delayed) 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: · Acetone, CAS# 67-63-0
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 this material have a SNUR under TSCA.

State Regulation

CA Right-to-Know Law California No Significant risk Rule	Ethyl Acetate CAS 141-78-6; Heptane CAS #142-82-5 Isopropyl Alcohol CAS 67-63-0. NONE
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	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.
CDSL: Canadian Inventory (on Canadian Transitional List)	Heptane CAS# 142-82-5 is on the DSL List. WHMIS = B2, D2B Ethyl Acetate CAS# 141-78-6 is on the DSL List. WHMIS = B2, D2B Isobutyl alcohol CAS# 67-63-0 is on the DSL List. WHMIS = B2, D2B N,N-dimethyl-p-toluidine DSL regulatory status: Included, WHMIS: n/da

European Community:



CLEAN THE GREEN

· HAZARD SYMBOLS: **Xi**: Irritant, **F**: Highly Flammable **N**: Dangerous for Environment
· RISK PHRASES: **R11**: highly, **R36/37/38**: Irritating to eyes, respiratory system, and skin, **R51/53**: toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. **R65**: Harmful may cause lung damage if swallowed, **R67**: Vapours may cause drowsiness and dizziness. **SAFETY PHRASES: S7/9**: Keep container tightly closed and in a well-ventilated place, **S16** keep away from sources of ignition-no smoking, **S33** Take precautionary measures against static discharges, **S33**: Take precautionary measures against static discharges, **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 XVI – OTHER INFORMATION

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

Hazard Symbol:

Xi – Irritants; F – Flammable substance or preparation

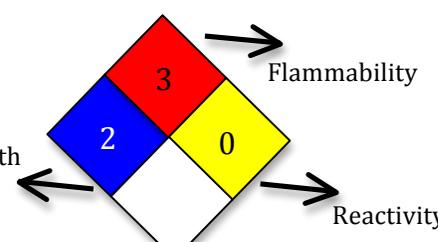
Risk Phrases:

R11 Highly flammable; R36 Irritating to eyes; R66 Repeated exposure may cause skin dryness or cracking; R67 Vapors may cause drowsiness and dizziness

Safety Phrases:

S2 Keep out of the reach of children; S9 Keep container in a well-ventilated place; S16 Keep away from sources of ignition – No smoking;

Hazard Rating system (Pictograms)

<p>NFPA:</p>  <p>Health ← 2 → Flammability 3</p> <p>Reactivity 0</p>	<p>HMIS:</p>  <p>2 HEALTH</p> <p>3 FLAMMABILITY</p> <p>0 REACTIVITY</p>
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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	JULY 16 th , 2025

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