

SECTION 1 - IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name: Elyptol Natural Cleaning Hard Surface Wipes
Effective Date: 08/01/2017
Recommended Uses: Clean and deodorises hard non-porous surfaces when soap and water is not available
Company: Elyptol Inc.
EIN: 46-4756364
DUNS No: (USA) 079594781
Address: 2500 Broadway, Building F, Suite F-125, Santa Monica, CA 90404, USA
Contact Tel No: +1 424 500 80 99
Website URL: <http://www.elyptol.com>
Emergency: Contact your local emergency control Centre. Poisons Information Centre 800 222 1222
Elyptol Emergency No: +1 (888) 424-9874

Transportation Emergency (24 Hour) Contact INFOTRAC North America: 800-535-5053

Outside North America: 352-323-3500

Medical Emergencies: Contact your local poison control center.

HMIS Rating: Health 1, Flammability 3, Physical hazard 0

DOT: CONSUMER COMMODITY, ORM-D

IATA: CONSUMER COMMODITY, ID8000, Class 9

IMDG: UN1170, ETHANOL SOLUTION, Class 3, LTD QTY

SECTION 2 – USES

Uses: **Fast acting** cleaning for hard 'non-porous' surface applications, including: stainless steel, hand railings, door handles, glass, polycarbonate, Teflon, tiles, personal protection equipment, glass, work stations, office equipment, Perspex, lenses, mirrors, laminates, phones, hard screens, bench tops, bathrooms, sanitary areas, white board cleaner. If unsure, test in an inconspicuous area or check your warranty [Ethanol based wipes with eucalyptol]

Do not mix with other chemicals or detergents.

- **A fast acting Type II ECO compliant hard surface cleaner for use on clean & dirty surfaces.**
- **Non primary skin irritant**
- **Non primary skin sensitiser**
- **Not intended for use on Medical Devices (unless approved)**
- **Deodorises**

Restrictions on Use: This SDS is created for a personal care / cosmetic product that is safe for consumers and other professionals to use under normal and commonly expected and accepted use within foreseeable guidelines. Cosmetics and consumer products that are specifically defined as such by regulations accepted on a global scale, are generally exempt from the requirement of an SDS for the end-consumer. While this material is not considered hazardous to skin, this SDS contains significant information critical to the safe and proper handling of the product for industrial workplace settings, as well as infrequent, unexpected and unintended exposures such as in accidental large spills. This SDS should be retained and available for employees and other users of this product. For guidance information specific to intended-usage, refer to the information provided on packaging or specific company literature and instruction sheets.

SECTION 3 – HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE Flammable Solid



Emergency Overview:

The liquid material contained in the product packaging and if in bulk, is a flammable liquid.
Storage and handling is to be followed as per the product labels, the shipper packaging and this SDS.
Hazard Classification: Flammable Solid, Cat. 4.1 Signal Word(s): Warning Hazard Symbol(s):
Hazard Statement: Flammable Solid.

RISK	
▪ R10	Flammable Solid Class 4.1
▪ UN 3175	Flammable Solid
▪ Packaging Group	II

SAFETY	
▪ S2	Keep out of reach of children
▪ S7	Keep container tightly closed
▪ S16	Keep away from sources of ignition – No Smoking

Precautionary Statements:

- FLAMMABLE content. Keep away from fire or flame.
- Avoid contact with eyes. In case of eye contact, flush thoroughly with water and if pain persists, seek medical attention.
- Keep out of reach of children.

SECTION 4 – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients considered hazardous as defined by OSHA, 29 CFR 1910.1200, WHMIS under the HPA (Canada), or ESIS (Europe).

Chemical Name	CAS Number	Proportion %
Ethanol	64-17-5	70 v/v
Eucalyptol/Cineole	470-82-6	< 10

Note:

- * The active substance is 70% v/v Ethanol non-denatured listed by the FDA as GRASE 1
- * The excipient ingredients are listed on the Australian Inventory of Chemical Substances (AICS)

SECTION 5 – PRECAUTIONS FOR USE

For use on non-porous hard surfaces

Improper use of this product could damage varnishes, remove paint and or printed images and texts, damage silicones. If unsure, use wipe gently on edge of surface or on an inconspicuous area. The wipes will remove grease and grime. Do not mix with other chemicals or detergents. Do not use on baby skin.

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For use on unbroken skin

Repeated use on skin requires a moisturiser to be used, to prevent dryness of the skin. Do not use near eyes or on open wounds or mucous membranes

Exposure Standards

- Exposure limit Not likely if used as directed. Keep away from eyes. Do not ingest. Use with good ventilation. Sensitive individuals may irritate eyes. **Not for use on sensitive skin areas. Do not use on baby skin.**
- Engineering Controls Use in well-ventilated area. Keep container closed when not in use.
- Personal Protection: Keep away from eyes.
- Flammability: Content is flammable. Keep away from radiant heat and flames. Container is a non-source of ignition when unopened.

SECTION 6 – FIRST AID MEASURES FOR SPILL EXPOSURE

<p>Swallowed (Not likely)</p>	<ul style="list-style-type: none"> ▪ If ingredient in the container is swallowed, do NOT induce vomiting. ▪ Unpalatable and will cause reflux to occur. ▪ If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. ▪ Observe the patient carefully. ▪ Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. ▪ Contains alcohol, if stupor, seek medical attention for potential alcohol inducement ▪ Contains Cineole, Seek medical attention if swallowed as can cause stomach intestinal problems. ▪ Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. ▪ Seek medical advice.
<p>Eye</p>	<p>If this product comes in contact with the eyes:</p> <ul style="list-style-type: none"> ▪ Flush eye with fresh running water for a minimum of 15 minutes, keep moving the eyes to ensure complete flushing. ▪ Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. ▪ Seek medical attention immediately; if pain persists or recurs seek medical attention. ▪ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. ▪ Seek Medical attention promptly if irritation persists or loss of vision occurs.
<p>Skin</p>	<ul style="list-style-type: none"> ▪ Immediately remove contaminated clothing. Wash / rinse contaminated skin with water. ▪ Seek medical attention if Irritation occurs. Launder contaminated clothing before re-use.
<p>Inhaled</p>	<ul style="list-style-type: none"> ▪ Over exposure may cause dryness of throat. ▪ Drink water, & seek medical attention if unwell.
<p>Notes to Physician</p>	<p>If poisoning occurs, contact a doctor or Poisons Information Centre right away 13 11 26. There is no specific antidotes. Treat symptomatically as for poisons.</p>

SECTION 7 – FIRE FIGHTING MEASURES

Extinguishing Media	<ul style="list-style-type: none"> ▪ Use water spray or fog. ▪ Dry chemical powder. ▪ Alcohol stable foam. ▪ Carbon dioxide.
Fire/Explosion Hazard	<ul style="list-style-type: none"> ▪ Liquid and vapor are flammable. ▪ Low fire hazard when exposed to heat or flame. ▪ Burning can produce carbon monoxide and/or carbon dioxide. ▪ No applicable hazards known to be associated with this product.
Precautions For Firefighters and Special Protective Equipment	<ul style="list-style-type: none"> ▪ Alert fire brigade and tell them the fire location. ▪ Use water to cool exposed containers. ▪ If safe to do so, remove containers from path of fire. ▪ For major fires or where atmosphere is Oxygen deficient or contains unacceptable levels of combustion products, firefighters must wear self-contained breathing apparatus with full-face mask and protective clothing. ▪ If safe, switch off electrical equipment until vapor fire hazard is removed. ▪ Thermal decomposition may include oxides of carbon and nitrogen.
Fire incompatibility	Avoid contamination with strong oxidizing agents as ignition may result.
HAZCHEM	<ul style="list-style-type: none"> ▪ 2Y ▪ Flash Point & Method 24°C (76°F) Flammability Class OSHA Flammable Liquid, Class IC Tag Closed Cup Flammability Limits (% by vol) Lower Upper 3.3%* 19.0%* (*for ethanol)
Other	<ul style="list-style-type: none"> ▪ Flash Point & Method 24°C (76°F) Flammability Class OSHA Flammable Liquid, Class IC Tag Closed Cup Flammability Limits (% by vol) Lower Upper 3.3%* 19.0%* (*for ethanol)

SECTION 8 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures	<ul style="list-style-type: none"> ▪ Spills should be reportable to the National Response Center
Prevent Area from Spark or Flame	<ul style="list-style-type: none"> ▪ If spark or flame is present, evacuate area and call the NRC. ▪ Wear appropriate personal protective equipment to prevent skin and eye contamination and breathing of vapors. ▪ Isolate hazard area. ▪ Keep unnecessary and unprotected personnel from entering. ▪ Ventilate area well and ensure the atmosphere is safe before allowing personnel to return to the work area.
Methods and Materials for Containment and Clean Up Procedures	<ul style="list-style-type: none"> ▪ Contain and recover wipe containers when possible. ▪ Collect residue or wipes in an appropriate container and place in a chemical waste container. ▪ Collected containers/contents can then be disposed of through local government waste removal services.

SECTION 9 – HANDLING & STORAGE

Precautions for Safe Handling	<ul style="list-style-type: none"> ▪ Protect against physical damage. ▪ Make certain the containers are well sealed and upright when not in use. ▪ Keep away from Children. ▪ Use good occupational work practice. ▪ Observe manufacturer's storing and handling requirements.
Conditions for Safe Storage	<ul style="list-style-type: none"> ▪ Store in a cool, dry well ventilated location away from direct sunlight. Keep containers upright & closed at all times.
Incompatibilities	<ul style="list-style-type: none"> ▪ Not to be stored with explosives, flammable gases in bulk, poisonous gases, spontaneously combustible substances, oxidizing agents, organic peroxides or radioactive substances.
Spill and Disposal	<ul style="list-style-type: none"> ▪ Shut off all possible sources of ignition. ▪ Wear protective equipment to prevent eye and skin contact in the event of a accident. ▪ Empty canister unit and lid is normal recycle waste ▪ Wipes must be placed in a rubbish waste active ▪ Foil seal must be placed in a rubbish waste.

SECTION 10 – EXPOSURE CONTROLS / PERSONAL PROTECTION

EU & USP Exposure Standards	
Ethanol	<ul style="list-style-type: none"> ▪ TWA- 1000ppm (1,880 mg/m3) ▪ STEL – None Allocated ▪ Carcinogen Category – None Allocated ▪ Notices – None Allocated ▪ As published by EPA and global EU Health and Safety standards and National Occupational Health and Safety Commission. TWA is an Exposure Standard for a time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. According to the current knowledge this concentration should neither impair the health nor cause any undue discomfort to nearly all workers. ▪ STEL (Short Term Exposure Limit) is the average airborne concentration over a 15 minute period which should not be exceeded at any time over an 8-hour working day.
Incompatibilities	<ul style="list-style-type: none"> ▪ Not to be stored with explosives, flammable gases in bulk, poisonous gases, spontaneously combustible substances, oxidizing agents, organic peroxides or radioactive substances.
Storage Requirements	<ul style="list-style-type: none"> ▪ Store in original containers and packaging in approved flammable liquid storage areas. ▪ DO NOT store in pits, depressions, basements,
Engineering Controls	<ul style="list-style-type: none"> ▪ Local and/or general exhaust is recommended to keep employee exposures below the Permissible Exposure Limits.
Personal Protective Equipment for major spills:	<ul style="list-style-type: none"> ▪ Safety eyewear gloves and organic vapors respirator to protect from exposure.
Eye Protection	<ul style="list-style-type: none"> ▪ Chemical safety goggles or safety glasses with side shields. Maintain eye wash fountain and drench facilities in the work area.

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Skin Protection	<ul style="list-style-type: none"> Impervious protective clothing (gloves, lab coat, apron or coveralls, as appropriate) to prevent skin contact. Neoprene and Nitrile Gelber are recommended materials.
Respiratory Equipment	<ul style="list-style-type: none"> None required under normal circumstances if engineering, storage and handling controls are adequate. In high vapor concentrations or confined areas where vapor concentration is likely to exceed 400ppm an approved respirator with organic vapor cartridge must be worn.

SECTION 11 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	<ul style="list-style-type: none"> Plastic PET container containing fabric infused Eucalyptus scented alcoholic liquid solution.
Odor	<ul style="list-style-type: none"> Eucalyptus scent low, alcohol scent low.
Liquid	<ul style="list-style-type: none"> 5.5 – 7.5PH
Vapour Pressure	<ul style="list-style-type: none"> N/A
Vapour Density	<ul style="list-style-type: none"> 2.1 (Air = 1)
Boiling Point/Range	<ul style="list-style-type: none"> Not Applicable
Melting Point	<ul style="list-style-type: none"> Not Applicable
Solubility	<ul style="list-style-type: none"> Not Applicable
Specific Gravity	<ul style="list-style-type: none"> Not Applicable
Flash Point	<ul style="list-style-type: none"> 17 deg C tag closed cup
Lower Explosive Limit	<ul style="list-style-type: none"> 3.3%
Upper Explosive Limit	<ul style="list-style-type: none"> 19%
Ignition Temperature	<ul style="list-style-type: none"> >200 deg C
Volatile Organic Content	<ul style="list-style-type: none"> >80% v/v
Percent Volatile	<ul style="list-style-type: none"> >80% v/v

SECTION 12 – STABILITY & REACTIVITY

Chemical Stability	<ul style="list-style-type: none"> Stable under normal conditions of use
Conditions to Avoid	<ul style="list-style-type: none"> Heat, sparks, flame and build-up of static electricity
Incompatible Materials	<ul style="list-style-type: none"> Will react with strong oxidizing agents
Hazardous Decomposition Products	<ul style="list-style-type: none"> Soot, Carbon Dioxide, Carbon Monoxide
Hazardous Reactions	<ul style="list-style-type: none"> Will not polymerize

SECTION 13 – TOXICOLOGICAL INFORMATION

Inhaled	<ul style="list-style-type: none"> Mild irritation to the nose, throat and upper respiratory tract can occur at concentrations above 7000ppm. Higher concentrations can lead to throat dryness and vomiting. Not known to cause asthma or allergy reactions.
Swallowed	<ul style="list-style-type: none"> Accidental ingestion of the material may be damaging to the health of the individual. Ingestion of alcohol may produce nausea, vomiting, gastrointestinal bleeding, abdominal pain and diarrhea. Small amount may cause throat irritation and vomiting. Large amount [1 litre+] will cause severe stomach cramps, nausea, vomiting, drowsiness.
Eye	<ul style="list-style-type: none"> The vapor is irritating to the eyes at concentrations above

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	7000ppm. Direct eye contact with the product may cause eye irritation, including pain and redness.
Skin	<ul style="list-style-type: none"> Non primary skin irritant – Non primary skin sensitizer – dermatology tested. DO NOT USE ON BABY SKIN
Acute Effects – Acute Toxicity	<ul style="list-style-type: none"> LD50/oral/rat NA LD50/dermal/rat NA LC50/inhalation/rat NA Irritant dose/dermal/rabbit NA Irritant dose/ocular/rabbit NA Not listed as carcinogen when used as directed
Long Term Effects Chronic	<ul style="list-style-type: none"> When used as according to directions, there are no long term negative effects expected.
Not tested on Animals	<ul style="list-style-type: none"> Finished product has not been tested on animals


SECTION 14 – ECOLOGICAL INFORMATION

Eco-toxicity	<ul style="list-style-type: none"> Toxicity to fish N/A.
Persistence and Degradability	<ul style="list-style-type: none"> Degree of elimination >90%
Mobility	<ul style="list-style-type: none"> No data is available on mobility in soil.
Environmental Impact	<ul style="list-style-type: none"> The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Empty packaging components are compatible with the conventional solid waste management practices for normal waste recycling
Not tested on Animals	

SECTION 15 – DISPOSAL CONSIDERATIONS

Disposal	<ul style="list-style-type: none"> Dispose of container and unused contents in accordance with federal, state and local requirements.
Lid & Container	<ul style="list-style-type: none"> Empty container and lid can be recycled as per local government waste recycling regulations.
Content	<ul style="list-style-type: none"> Product content must not be disposed into the sewerage system, drains or waterways. Place in rubbish.
Disposal Methods	<ul style="list-style-type: none"> Unused product is RCRA ignitable hazardous waste (D001). Dispose of according to local, state, and federal regulation

SECTION 16 – TRANSPORT INFORMATION

Labels Required	
Marine Pollutant	<ul style="list-style-type: none"> No (HAZCHEM: 2YE; 2Y)
IMDG (vessel) UN3175 SOLIDS CONTAINING FLAMMABLE LIQUID	
	
UN number	<ul style="list-style-type: none"> 3175
Class	<ul style="list-style-type: none"> 4.1

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Packaging Group	▪ 2
Subsidiary Risk EU	▪ S 25, S 29, S 46, S 47, S 59, S 62
Packaging Group	▪ 2
Hazchem Code	▪ 2Y
Special Precautions	▪ Not to be stored with explosives, flammable gases in bulk, poisonous gases, spontaneously combustible substances, oxidizing agents, organic peroxides or radioactive substances, near sparks or ignition.
Note	▪ Class 4.1 Dangerous Good. Flammable solid content, Spun yarn wipes infused with Ethanol non-denatured 70% v/v eucalyptol and water

SECTION 17 – REGULATORY INFORMATION

Classification	Australia TGA - Hazardous according to criteria of NICNAS & NOHSC as is a flammable solid.
Poisons Schedule	▪ Not Scheduled
ARTG Registered OTC	▪ In process.
TGA CE MARK Certified	
Europe EU Classification	Category 4.1 – Flammable solid.
EU Risk Phrases	R10 – Flammable content.
EU Safety Phrases	S 6 Keep out of reach of children. Keep away from eyes.
Green	Certified for Green Procurement.
	<ul style="list-style-type: none"> • Please dispose of empty container in a normal recycle bin. • Always use as directed on the label

SECTION 18 – OTHER INFORMATION & CONTACT POINTS

Contact	<ul style="list-style-type: none"> ▪ Further information can be obtained from Elyptol Inc. www.elyptol.com
Information Only	<ul style="list-style-type: none"> ▪ AMS Laboratories Pty Ltd are licensed for analysis and testing by the Australian Therapeutic Goods Administration (Licence No. MI-15112007-LI-002191-11), Australian Pesticides & Veterinary Medicines Authority (Licence No. 6139), and accredited by NATA to ISO 17025:2005 (Accreditation No: 15773)
Reason for issue	▪ Launch of product in USA
Issue Date updated	▪ August 1, 2017
Document Name	▪ Elyptol Inc. - Antibacterial Hard Surface Wipes SDS
Other Information	<ul style="list-style-type: none"> ▪ This product contains 70% v/v ethyl alcohol & BP grade eucalyptol infused non-woven 410mm x 140mm spun yarn fabric wipes. ▪ The outer packaging is a non-source of ignition. AWTA Textile testing No – 7-550432-CV ▪ Environmentally endorsed product 2007: GECA standard: general purpose cleaners standard AELA 17 – 2005 ▪ CE MARK self-assessed ISO: 9001 standard GMP manufactured in China ▪ ISO self-assessed ECO TYPE II cleaning product ▪ Elyptol is an Australian owned company ▪ Cantor research laboratories CR: Ref No – RIPT.EO730-A.30.50.DERM.SW September 2007 Non primary skin irritant – Non primary skin sensitizer ▪ The wipes will remove grease and grime as eucalyptol is a natural solvent
Literature & References	Australian Government - National Occupational Health and Safety Commission Web Site www.nohsc.gov.au

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National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011 (2003)]
National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012 (1994)]
Dermatest - Technical Consultancy Services Pty Ltd 20 King St Rockdale NSW 2216 Australia
AMS Laboratories Pty Ltd - 8 Rachael Close Silverwater NSW 2128 Australia
List of Designated Hazardous Substances [NOHSC:10005 (1999)]
Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)] 3rd Edition
Storage and Handling of Workplace Dangerous Goods [NOHSC:2017 (2001)]

Australian Government – Department of Transport and Regional Services Web Site
<http://www.dotars.gov.au/index.htm>
<http://www.dotars.gov.au/transreg/dgoods.htm>

ADG Code based on the 'UN Recommendations on the Transport of Dangerous Goods - Model Regulations'
Australian Government – Attorney-General's Department
ROAD TRANSPORT REFORM (DANGEROUS GOODS) ACT 1995
<http://scaleplus.law.gov.au/html/pasteact/2/1187/top.htm>

NOHSC Online Hazardous Substances Information System
<http://hsis.ascc.gov.au/Default.aspx>
Australian Standards AS 1940-1993 The storage and handling of flammable and combustible liquids

United Nations ADN 2005 (The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
<http://www.unece.org/trans/danger/adnreg2005.html>

United Nations ADR 2005 (The European Agreement concerning the International Carriage of Dangerous Goods by Road)
http://www.unece.org/trans/danger/publi/adr/adr_e.html

UN Recommendations on the Transport of Dangerous Goods. Model Regulations. Thirteenth revised edition.
http://www.unece.org/trans/danger/publi/unrec/rev13/13files_e.html

Guidance Note on the Interpretation of Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:3008 (1995)] 3rd Edition (Updated for Amendments)
<http://www.nohsc.gov.au/OHSInformation/NOHSCPublications/fulltext/docs/h3/34.htm>

Australian Inventory of Chemical Substances
<http://www.nicnas.gov.au/obligations/aics/>

CSR Distilleries Operations Pty. Ltd. Material Safety Data Sheet Ethanol 03/2005.

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Contact Information

The information contained in this material safety data sheet was obtained from current and reliable sources. It is the user's responsibility to use the products as directed by the labelling. Please use as directed, in order to determine safe conditions for use of these products. The user will assume for loss, injury, damage or expense resulting from any improper use of these products. Products is flammable due to alcohol content; and for external use only.