

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Thieves Household Cleaner**

Company Name: **Young Living**

3125 West Executive Parkway, Lehi, UT 84043

(800) 424-9300 or (202) 483-7616 (CHEMTREC: For emergencies)

Website: www.youngliving.com

(801) 418-8900 (product info)

REVISION #: 1

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient: Water, C10-16 Alkyl Polyglucoside, Sodium Methyl 2-Sulfolaurate (and) Disodium 2-Sulfolaurate, Clove EO (*Syzygium aromaticum*), Lemon EO (*Citrus limon*), Cinnamon Bark EO (*Cinnamomum verum*), Eucalyptus Radiata EO (*Eucalyptus radiata*), Rosemary EO (*Rosmarinus officinalis*), Tetrasodium Glutamate Diacetate

CAS Number: Blend

ACGIH TLV: NOT ESTABLISHED

3. HAZARDS IDENTIFICATION

HEALTH HAZARD DATA

Signs/Symptoms of Overexposure: May cause mild skin and eye irritation.

PRIMARY ROUTES OF EXPOSURE

SKIN CONTACT: No

INHALATION: No

EYE CONTACT: Yes

SKIN ABSORPTION: No

INGESTION: Yes

CARCINOGENICITY: OSHA: No IARC: No NTP: No ACGIH: No

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: None known to TGSC.

EFFECTS OF OVEREXPOSURE: May be irritating to skin and eyes.

EYE CONTACT EFFECTS: May be irritating to eyes.

SKIN CONTACT EFFECTS: May be irritating to skin.

INHALATION EFFECTS: May be irritating if inhaled.

INGESTION EFFECTS: May be harmful if swallowed.

4. EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Flush immediately with clean water for at least 15 minutes. Contact a physician immediately.

SKIN CONTACT: Remove any contaminated clothing or shoes. Wash affected areas thoroughly with soap and water for at least 15 minutes. Contact a physician as necessary.

INHALATION: Remove from the exposure to fresh air. If breathing has stopped, administer artificial respiration and oxygen if available. Contact a physician as necessary.

INGESTION: Give water to dilute. Contact a physician or local poison control center immediately.

5. FIRE AND EXPLOSION HAZARD DATA

Flash Point: 124.7°F 51.5°C Will not sustain combustion.
Lower Explosive Limit: UNKNOWN
Upper Explosive Limit: UNKNOWN
Extinguishing Media: CO₂, dry powder or foam. Water may cause splattering.
Special Fire Fighting Procedures: NONE
Unusual Fire and Explosion Hazards: NOT ESTABLISHED

6. ACCIDENTAL RELEASE MEASURES

Eliminate all sources of ignition. Ventilate area. Cover with inert, absorbent material and remove to disposal container. Spill area may be slippery. Flush with plenty of water.

SPILLS PROCEDURE: Wash to waste treatment system with water. Or for large spills absorb spill with inert material (dry sand), then place in a chemical waste container.

7. HANDLING AND STORAGE

Steps if Material is Released/Spill: Absorb using sand or cat litter and recover it into a container. Wash area with hot soapy water.

Waste Disposal Method: Dispose of as normal solids in accordance with local, state and federal regulations.

Precautions-Handling/Storing: Keep container closed. Maintain standard hygiene for food chemical handling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Under normal use conditions, with adequate ventilation, no special handling equipment is required.

EYE PROTECTION REQUIREMENTS: Wear protective glasses to minimize eye contact.

EYE / FACE / RESPIRATORY PROTECTION REQUIREMENTS: Not required in normal use.

SKIN PROTECTION REQUIREMENTS: Wear protective gloves to minimize skin contamination.

9. PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance/Odor: Yellow-orange color; spicy, citrus, clove characteristic.
Vapor Pressure (MM Hg/70°F): Unknown
Vapor Density (Air=1): N/A
Specific Gravity: 1.016
Bulk Density (LB/Gal): N/A
Evaporation Rate: N/A
Solubility in Water: None
Percent Volatiles by Volume: Not Determined

10. STABILITY AND REACTIVITY

Conditions to Avoid (Stability): NA

Materials to Avoid: OXIDIZING ACIDS (i.e. Sulfuric Acid, Nitric Acid)

Hazardous Decomposition Products: None

Can Hazardous Polymerization Occur: No

Presents no significant hazards concerning stability. Is not pyrophoric or reactive with water. Does not undergo explosive decomposition, and is stable to shock.

11. TOXICOLOGICAL INFORMATION

Is generally non-toxic. May be irritating to skin and eyes, especially to sensitive skin.

12. ECOLOGICAL INFORMATION

No environmental hazards are known. Avoid pollution to soil or water in accordance with local, provincial and federal regulations.

13. DISPOSAL DATA

Not regulated as an RCRA Hazardous waste by the Federal EPA, but may be regulated in certain states.
This is a food-grade product for industrial and professional use.

14. TRANSPORTATION DATA

DOT (49CFR 172) - Domestic Ground Transport

DOT Shipping Name: Consumer Commodity (not more than 4 liters)

Hazard Class: ORM-D

UN/ID Number: None

Marine Pollutant: None

IATA – International Transport

Proper Shipping Name: Consumer Commodity (not more than 4 liters)

Class or Division: Class 9

UN/NA Number: UN-8000

Bulk Shipments

Domestic (Land, D.O.T.)

Proper Shipping Name: Essential Oil

Hazard Class: 3

UN/NA: UN1266

Packing Group: III

Information reported for product/size: 350LB +

International (Water, I.M.O.)

Proper Shipping Name: Essential Oil
Hazard Class: 3
UN/NA: UN1266
Packing Group: III
IATA Class (AIR): 3
IMDG Class (water): 3.2
Information reported for product/size: 350LB +

15. REGULATORY INFORMATION

HMIS (U.S.A.):

Health Hazard: 2 **Fire Hazard:** 1 **Reactivity:** 0 **Personal Protection:** B

National Fire Protection Association (U.S.A.):

Health: 2 **Flammability:** 1 **Reactivity:** 0 **Specific Hazards:** None

WHMIS (Canada): Not controlled under WHMIS (Canada).

Protective Equipment: Gloves, lab coat, vapor respirator and splash goggles. Be sure to use an approved/certified respirator or equivalent.

16. OTHER INFORMATION

PREPARED BY: Donato Polignone
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PRD NUMBER: -- (Official Copy)
SUPERCEDES DATE: New

ABBREVIATIONS

OSHA
TLV
PEL
TWA
STEL

Occupational Safety and Health Administration
Threshold Limit Value
Permissible Exposure Limit
Time Weighted Average
Short Term Exposure Limit

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