

5800 Park Vista Circle
Keller, TX 76244
Ph#1 (800) 929-9425
F#1 (817) 741-0879
Web: www.lonestarcandlesupply.com

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade Name: Mold Cleaner (d-Limonene)

1.2 Relevant identified product use

Intended use: Solvent. Cleaner. Degreaser.

1.3 Details of the manufacturer/supplier of the safety data sheet

Supplier: Lone Star Candle Supply, Inc.
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1.4 Emergency telephone number

1 (817) 741-0876 Domestic USA, Canada, Puerto Rico, and US Virgin Islands
International

2. Hazards Identification

Classification

Flammable liquids : Category 3
Skin Irritation : Category 2
Eye Irritation : Category 2B
Skin Sensitisation : Category 1
Aspiration Hazard : Category 1

Hazard pictograms

Hazard pictograms



Signal word : Danger

Hazard statements : H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H315 + H320 Causes skin and eye irritation.
H317 May cause an allergic skin reaction



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Precautionary Statements

: re ention

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ ventilating/ lighting equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
- P264 Wash skin thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves/ eye protection/ face protection.

esponse

- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P331 Do NOT induce vomiting.
- P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337 + P313 If eye irritation persists: Get medical advice/ attention.
- P362 Take off contaminated clothing and wash before reuse.
- P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

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- P403 + P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.

Disposal

- P501 Dispose of contents/ container to an approved was disposal plant.

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None known.

3 Composition n ormation on n redients

Substance / Mixture : Substance

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CAS-No.	Chemical Name	Weight percent
5989-27-5	d-Limonene	90 - 100

Any concentration shown as a range is due to batch variation.



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- General Advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Symptoms of poisoning may appear several hours later.
Do not leave the victim unattended.
- If Inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : If on skin, rinse well with water.
If on clothes, remove clothes.
- In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
- If swallowed : Keep respiratory tract clear.
Do not induce vomiting without medical advice.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.

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- Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO2)
Dry chemical
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products : Carbon oxides
Acrid smoke and fumes.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
For safety reasons in case of fire, cans should be stored separately in close containments.
Use a water spray to cool fully closed containers.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
Use personal protective equipment.

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- Personal precautions, protective equipment and emergency procedures. : Use personal protective equipment.
Ensure adequate ventilation.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
- Environmental precautions. : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.



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Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent materials, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

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Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from open flames, hot surfaces and sources of ignition.

Advice on safe handling : Avoid formation of aerosol.
Do not breathe vapors/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Take precautionary measures against static discharges.
Provide sufficient air exchange and/or exhaust in work rooms.
Open drum carefully as content may be under pressure.
Dispose of rinse water in accordance with local and national regulations.
Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Conditions for safe storage : No smoking.
Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.

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Components ith or pla e ontrol parameters
Contains no substances with occupational exposure limit values.

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Respiratory protection : No personal respiratory protective equipment normally required.
Hand protection : In the case of vapor formation use a respirator with an approved filter.
Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

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11 Toxicological information

Appearance	: liquid
Color	: clear, light yellow
Odor	: Citrus
Odor Threshold	: No data available
pH	: No data available
Freezing Point (Melting point/range)	:
Boiling Point (Boiling point/boiling range)	: 176°C (349°F)
Flash Point	: 46°C (115°F)
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: 6.1 %(V)
Lower explosion limit	: 0.7 %(V)
Vapor pressure	: 2 mmHg @ 20°C (68°F)
Relative vapor density	: No data available
Relative density	: 0.84 @ 20 - 25°C (68 - 77°F) Reference substance: (water = 1)
Density	: 0.84 g/cm ³ @ 20 - 25°C (68 - 77°F)
Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient noctanol/water	: No data available
Auto-ignition temperature	: 237°C
Thermal decomposition	: No data available

11 Hazard and identification

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Vapors may form explosive mixture with air
Conditions to avoid	: Keep away from heat, flame, sparks, and other ignition sources.
Incompatible materials	: Strong acids. Strong oxidizing agents.
Hazardous decomposition products	: Carbon oxides

11 Environmental information

11.1 Acute toxicity

<u>rodent</u> Acute oral toxicity	: Acute toxicity estimate: 4,444 mg/kg
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Components

Acute oral toxicity	: LD50 (Rat): 4,400 mg/kg Assessment: The component/mixture is minimally toxic after single ingestion
Acute inhalation toxicity	: Remarks: No data available
Acute dermal toxicity	: LD50 (Rabbit): > 5,000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity

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Components

Species: Rabbit
Result: Irritating to skin.

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Components

Species: Rabbit
Result: No eye irritation

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Components

Test Type: lymph node assay
Species: Mouse
Result: May cause sensitization by skin contact.

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Components

Genotoxicity in vitro	: Test Type: Mammalian cell gene mutation assay Species: mouse lymphoma cells Metabolic activation: with and without metabolic activation Result: negative
Genotoxicity in vivo	: Test Type: DNA damage and/or repair Species: Rat Cell type: Kidney cells Application Route: Oral Result: negative
Germ cell mutagenicity - Assessment	: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.



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Components

Carcinogenicity - Assessment
C

: Not classifiable as a human carcinogen
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

C

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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Components

Reproductive toxicity - Assessment

Fertility classification not possible from current data.

Teratogenicity - Assessment

: Embryotoxicity classification not possible from current data.

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Components

May be fatal if swallowed and enters airways

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Remarks: Solvents may degrease the skin.

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Components

Toxicity to fish

: LC50 (Pimephales promelas (fathead minnow)): 0.702 mg/l
Exposure time: 96 h
Test Type: flow-through test

Toxicity to daphnia and other aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): 0.36 mg/l
Exposure time: 48h
Test Type: static test



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Toxicity to algae	: EC50 (Desmodesmus subspicatus (green algae)): 150 mg/l Exposure time: 72 h Test Type: static test
M-Factor (Acute aquatic toxicity)	: 1
Toxicity to fish (Chronic toxicity)	: NOEC: 0.19 mg/l Exposure time: 8 d
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC (Daphnia magna (Water flea)): 0.08 mg/l Exposure time: 21 d
Acute aquatic toxicity - Assessment	: Very toxic to aquatic life.
Chronic aquatic toxicity - Assessment	: Very toxic to aquatic life with long lasting effects

ersistence and degradability
No data available
bioaccumulation potential

Components

Bioaccumulation	: Bioconcentration factor (BCF): 908.5
Partition coefficient: noctanol/water	: log Pow: 4.57 log Pow: 4.38 (37°C) pH: 7.2
degradability in soil No data available	

therapeutic effects

rodent

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82
Protection of Stratospheric Ozone - CAA Section 602 Class I
Substances
Remarks: This product neither contains, nor was
manufactured with a Class I or Class II ODS as defined by
the U.S. Clean Air Act Section 602 (40CFR 82, Subpt. A,
App.A + B).

Additional ecological information : An environmental hazard cannot be excluded in the event
of unprofessional handling or disposal.
Very toxic to aquatic life with long lasting effects.

13 Disposal Considerations

Disposal methods : Empty remaining contents.
Contaminated packaging : Dispose of as unused product.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.



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14 Transport Information

DOT (Department of Transportation):
UN1197, Extracts, flavoring, liquid, 3, III

IATA (International Air Transport Association):
UN1197, Extracts, flavoring, liquid, 3, III

IMDG (International Maritime Dangerous Goods):
UN1197, Extracts, flavoring, liquid, 3, III, Marine
Pollutant (D-LIMONENE), Flash Point: 46°C (115°F)

Special Notes:

:The flash point for this material is greater than 100 F (38 C). Therefore, in accordance with 49 CFR 173. 150(f) non-bulk containers (<450L or <119 gallon capacity) of this material may be shipped as non-regulated when transported solely by land, as long as the material is not a hazardous waste, a marine pollutant, or specifically listed as hazardous substance.

15 Regulatory Information

WHMIS Classification : B3: Combustible Liquid
D2B: Toxic Material Causing Other Toxic Effects

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity
This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Fire Hazard
Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68. 130, Subpart F).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMII Intermediate or Final VOC's (40 CRF 60.489)



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SDS v1 GHS / OSHA

Type:

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Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A

This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act, Section 307.

US State Regulations

Massachusetts Right to Know