

Multi Purpose Solvent/Degreaser (D'limonene)

Printed: 12/14/2023

Revision: 12/14/2023

Supersedes Revision: 03/15/2023

1. Product and Company Identification

Product Code: 9122
Product Name: Multi Purpose Solvent/Degreaser (D'limonene)
Company Name: Sunbelt Laboratories **Phone Number:**
P.O. BOX 1563 (281)261-4747
Stafford, TX 77497
Web site address: www.sunbelt-labs.com
Emergency Contact: CHEM-TEL (800)255-3924

2. Hazards Identification**Flammable Liquids, Category 3****Skin Irritation, Category 2****Eye Irritation, Category 2B****Skin Sensitization, Category 1B****GHS Signal Word:** **Warning**

GHS Hazard Phrases: Flammable liquid and vapor.
Causes skin irritation.
May cause an allergic skin reaction.
Causes eye irritation.

GHS Precautionary Phrases: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Use explosion-proof electrical/ventilating/lighting/.../ equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash hands thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases: IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment see ... on this label.
If skin irritation occurs, get medical advice/attention.
If skin irritation or rash occurs, seek medical advice/attention.
If eye irritation persists, get medical advice/attention.
Take off contaminated clothing and wash it before reuse.

GHS Storage and Disposal Phrases: Store in cool/well-ventilated place.
Dispose of contents/container to ...

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

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Potential Health Effects**(Acute and Chronic):**

Inhalation: May be harmful if inhaled. May be harmful by inhalation, ingestion, or skin absorption.

Skin Contact: Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Prolonged and/or repeated contact may cause defatting of the skin and dermatitis. May cause skin irritation.

Eye Contact: Causes severe eye irritation.

Ingestion: May cause digestive tract disturbances. May be harmful if swallowed.

Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

3. Composition/Information on Ingredients

| CAS # | Hazardous Components (Chemical Name) | Concentration | |
|-------------|--------------------------------------|---------------|--|
| 5989-27-5 | D-Limonene} | 75.0 -95.0 % | |
| 9016-45-9 | 2-(2--Nonylphenoxy) ethanol | 1.0 -5.0 % | |
| 127087-87-0 | Ethoxylated Nonylphenol | 1.0 -4.0 % | |

4. First Aid Measures**Emergency and First Aid****Procedures:**

In Case of Inhalation: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Get medical aid.

In Case of Skin Contact: In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical aid if symptoms occur. Wash clothing before reuse.

In Case of Eye Contact: Get medical aid. In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

In Case of Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Signs and Symptoms Of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Gastrointestinal disturbances. Nausea, vomiting, diarrhea. Exposure can cause:

Note to Physician: Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt: > 115.00 F (46.1 C)

Explosive Limits: LEL: 1.7 at 302.0 F (150.0 C) UEL: 6.1 at 302.0 F (150.0 C)

Autoignition Pt: 237.00 F (113.9 C)

Suitable Extinguishing Media: Use water fog, dry chemical, carbon dioxide or alcohol type foam. Suitable:

Unsuitable Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Containers may explode in the heat of a fire. Flammable liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. This liquid floats on water and may travel to a source of ignition and spread fire. Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.



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Flammable Properties and Hazards: No data available.

No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Forms smooth, slippery surfaces on floors, posing an accident risk. Remove all sources of ignition. Provide ventilation. **PROCEDURE(S) OF PERSONAL PRECAUTION(S)**

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

Methods for cleaning up.

Ventilate area and wash spill site after material pickup is complete.

7. Handling and Storage

Precautions To Be Taken in Handling: Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep away from 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.

Precautions To Be Taken in Storing: Keep away from heat, sparks and flame. Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area. Separate from oxidizing materials. Partially filled containers should be blanketed with nitrogen. Suitable:

8. Exposure Controls/Personal Protection

| CAS # | Partial Chemical Name | OSHA TWA | ACGIH TWA | Other Limits |
|-------------|-----------------------------|----------|-----------|--------------|
| 5989-27-5 | D-Limonene} | No data. | No data. | No data. |
| 9016-45-9 | 2-(2--Nonylphenoxy) ethanol | No data. | No data. | No data. |
| 127087-87-0 | Ethoxylated Nonylphenol | No data. | No data. | No data. |

Respiratory Equipment (Specify Type): Hand: Compatible chemical-resistant gloves.

Eye Protection: Wear chemical splash goggles. Chemical safety goggles.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low. Mechanical exhaust required. Safety shower and eye bath.

Work/Hygienic/Maintenance Practices: Wash thoroughly after handling.



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9. Physical and Chemical Properties

| | |
|---------------------------------------------|-------------------------------------------------------------|
| Physical States: | [] Gas [X] Liquid [] Solid |
| Appearance and Odor: | Clear, Amber. Orange-Like Odor. |
| pH: | Not available |
| Melting Point: | 206.00 F (96.7 C) |
| Boiling Point: | > 348.00 F (175.6 C) |
| Flash Pt: | > 115.00 F (46.1 C) |
| Evaporation Rate: | < 1 |
| Flammability (solid, gas): | No data available. |
| Explosive Limits: | LEL: 1.7 at 302.0 F (150.0 C) UEL: 6.1 at 302.0 F (150.0 C) |
| Vapor Pressure (vs. Air or mm Hg): | NA 1.98 MM_HG at 25.0 C (77.0 F) |
| Vapor Density (vs. Air = 1): | 4.7 |
| Specific Gravity (Water = 1): | .810 at 77.0 F (25.0 C) |
| Solubility in Water: | Insoluble |
| Octanol/Water Partition Coefficient: | No data. |
| Percent Volatile: | 95.0 % by volume. |
| Autoignition Pt: | 237.00 F (113.9 C) |
| Decomposition Temperature: | No data. |
| Viscosity: | No data. |

10. Stability and Reactivity

| | |
|---------------------------------------------------|--------------------------------------------------------|
| Stability: | Unstable [] Stable [X] |
| Conditions To Avoid - Instability: | ignition sources, Excess heat. |
| Incompatibility - Materials To Avoid: | Strong oxidizing agents. |
| Hazardous Decomposition or Byproducts: | Carbon monoxide, irritating and toxic fumes and gases. |
| Possibility of Hazardous Reactions: | Will occur [] Will not occur [X] |
| Conditions To Avoid - Hazardous Reactions: | Product will not undergo polymerization. |

11. Toxicological Information

Toxicological Information: No data available.
Carcinogenicity/Other Information: CAS# 5989-27-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

| CAS # | Hazardous Components (Chemical Name) | NTP | IARC | ACGIH | OSHA |
|-------------|--------------------------------------|------|------|-------|------|
| 5989-27-5 | D-Limonene} | n.a. | 3 | n.a. | n.a. |
| 9016-45-9 | 2-(2--Nonylphenoxy) ethanol | n.a. | n.a. | n.a. | n.a. |
| 127087-87-0 | Ethoxylated Nonylphenol | n.a. | n.a. | n.a. | n.a. |

12. Ecological Information

General Ecological Information: Environmental: May bioconcentrate in aquatic organisms and fish. Has low mobility in soil and may rapidly volatilize in the atmosphere. Limonene can be readily degraded in soil.
 Physical: No information available.
 Other: Dipentene, which is optically inactive limonene, is a marine pollutant.
 ELIMINATION.

13. Disposal Considerations

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
 RCRA P-Series: None listed.
 RCRA U-Series: None listed. APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Extracts, flavoring, liquid.
DOT Hazard Class: 3 FLAMMABLE LIQUID
UN/NA Number: UN1197 **Packing Group:** III



LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Extracts, Flavoring Liquid.

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Non-Hazardous for Air Transport: Non-hazardous for air transport.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

| CAS # | Hazardous Components (Chemical Name) | S. 302 (EHS) | S. 304 RQ | S. 313 (TRI) |
|-------------|--------------------------------------|--------------|-----------|--------------|
| 5989-27-5 | D-Limonene} | No | No | No |
| 9016-45-9 | 2-(2--Nonylphenoxy) ethanol | No | No | No |
| 127087-87-0 | Ethoxylated Nonylphenol | No | No | No |

This material meets the EPA [] Yes [X] No Explosive

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| | | |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------|
| 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Flammable (gases, aerosols, liquid, or solid) |
| | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Oxidizer (liquid, solid or gas) |
| | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Self-reactive |
| | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Pyrophoric (liquid or solid) |
| | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Pyrophoric gas |
| | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Self-heating |
| | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Organic peroxide |
| | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Corrosive to metal |
| | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Gas under pressure (compressed gas) |
| | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | In contact with water emits flammable gas |
| | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Combustible Dust |
| | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | (Physical) Hazard Not Otherwise Classified (HNOC) |
| | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Acute toxicity (any route of exposure) |
| | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Skin Corrosion or Irritation |
| | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Serious eye damage or eye irritation |
| | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Respiratory or Skin Sensitization |
| | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Germ cell mutagenicity |
| | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Carcinogenicity |
| | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Reproductive toxicity |
| | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Specific target organ toxicity (single or repeated exposure) |
| | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Aspiration Hazard |
| | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Simple Asphyxiant |
| | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | (Health) Hazard Not Otherwise Classified (HNOC) |

| CAS # | Hazardous Components (Chemical Name) | Other US EPA or State Lists |
|-------------|--------------------------------------|---------------------------------------------------------------------------------------------|
| 5989-27-5 | D-Limonene} | CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory CA PROP.65: No |
| 9016-45-9 | 2-(2--Nonylphenoxy) ethanol | CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory, 8A PAIR, 12(b) CA PROP.65: No |
| 127087-87-0 | Ethoxylated Nonylphenol | CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory, 8A PAIR CA PROP.65: No |

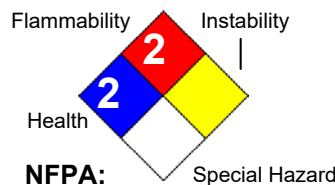
16. Other Information

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Hazard Rating System:

| | | | |
|--------------|-------------------------------------|----------|--|
| HEALTH | <input type="checkbox"/> | 2 | |
| FLAMMABILITY | <input checked="" type="checkbox"/> | 2 | |
| REACTIVITY | <input type="checkbox"/> | 0 | |
| PPE | | | |

HMIS:



Additional Information About This Product: No data available.

Company Policy or Disclaimer: **DISCLAIMER:** To the best of our knowledge, the information contained herein is accurate. There is no assumption of liability for accuracy contained within this information. The information given is designed only as a guidance for safe handling, use, processing,



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