

Issue Date: 17-Mar-2015

Revision Date: 21-Jun-2023

Version 3

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name United 593 CITRAN

Other means of identification

SDS # UNITED-593

Recommended use of the chemical and restrictions on use

Recommended Use Floor Drain Treatment.

Details of the supplier of the safety data sheet

Supplier Address

United Laboratories, Inc.
320 37th Avenue
St. Charles, IL 60174
www.unitedlabsinc.com
www.unitedlabsinc.ca

Emergency Telephone Number

Company Phone Number 800-323-2594 (to reorder)
Emergency Telephone (24 hr) INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

2. HAZARDS IDENTIFICATION

Appearance Clear, orange liquid

Physical State Liquid

Odor Citrus

Classification

Flammable Liquids

Category 3

Signal Word

Warning

Hazard Statements

Flammable liquid and vapor.



Precautionary Statements - Prevention

Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
 Keep container tightly closed.
 Ground/bond container and receiving equipment.
 Use explosion-proof equipment.
 Use only non-sparking tools.
 Take precautionary measures against static discharge.
 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction.

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|---------------|------------|----------|
| D-limonene | 94266-47-4 | 40-50 |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

| | |
|---------------------|--|
| Eye Contact | Immediately flush with plenty of water for up to 15 minutes. Get prompt medical attention. |
| Skin Contact | Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If symptoms develop, seek medical attention. |
| Inhalation | Remove to fresh air. If symptoms develop, seek medical attention. If not breathing, give artificial respiration. |
| Ingestion | Do not induce vomiting. Get medical attention immediately. If vomiting occurs, have victim lean forward to reduce risk of aspiration. |

Most important symptoms and effects

| | |
|-----------------|--|
| Symptoms | May cause eye irritation. May cause mild skin irritation. Prolonged or repeated contact may dry or defat skin leading to inflammation. Breathing vapors may irritate nose, throat and lungs. |
|-----------------|--|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Notes to Physician | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use dry chemical, foam, or carbon dioxide.

Unsuitable Extinguishing Media Do not use water except as a mist or foam as it may spread the burning material.

Specific Hazards Arising from the Chemical

Rags soaked with this product may spontaneously ignite; to avoid this danger, used rags should be soaked with water and/or stored in a container full of soapy water. In a fire, closed containers of this product may burst or rupture due to pressure build-up, greatly increasing fire hazard.

Hazardous Combustion Products When strongly heated, as in a fire, this product may produce oxides of carbon.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. All containers should be cooled with water to prevent vapor pressure build up.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required.

Environmental Precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Small spills: Soak up with an inert absorbent and place in designated disposal container. Rinse area thoroughly. Large spills: Remove sources of ignition and ventilate area. Soak up with an inert absorbent and place in designated disposal container. Rinse area thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion proof equipment. Use non-sparking tools. Take precautionary measures against static discharges. Wear protective gloves/protective clothing and eye/face protection.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store in a well-ventilated place. Keep cool. Keep container tightly closed.

Incompatible Materials Oxidizing agents such as bleach; Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Controls Mechanical ventilation recommended when handling in enclosed, tight spaces.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses or safety goggles are recommended.

Skin and Body Protection Chemical resistant gloves are recommended.

Respiratory Protection None required if good ventilation is maintained.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-------------------------------------|-----------------------|--------------------------------|----------------|
| Physical State | Liquid | Odor | Citrus |
| Appearance | Clear, orange liquid | Odor Threshold | Not determined |
| Color | Orange | | |
| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> | |
| pH | Not applicable | | |
| Melting Point/Freezing Point | Not determined | | |
| Boiling Point/Boiling Range | 175 °C / 347 °F | | |
| Flash Point | 47-52 °C / 115-125 °F | | |
| Evaporation Rate | < 1 | (BA=1) | |
| Flammability (Solid, Gas) | liquid-Not applicable | | |
| Upper Flammability Limits | 6.1% | | |
| Lower Flammability Limit | 0.7% | | |
| Vapor Pressure | 1 mm Hg | | |
| Vapor Density | 4.7 | (Air=1) | |
| Specific Gravity | 0.840 | (Water = 1) | |
| Water Solubility | Insoluble | | |
| Solubility in other solvents | Not determined | | |
| Partition Coefficient | Not determined | | |
| Auto-ignition Temperature | Not determined | | |
| Decomposition Temperature | Not determined | | |
| Kinematic Viscosity | Not determined | | |
| Dynamic Viscosity | Not determined | | |
| Explosive Properties | Not determined | | |
| Oxidizing Properties | Not determined | | |
| VOC Content | <53% | | |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

Oxidizing agents such as bleach; Strong acids.

Hazardous Decomposition Products

When strongly heated, as in a fire, this product may produce oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|---------------------|--------------------------|
| Eye Contact | Avoid contact with eyes. |
| Skin Contact | Avoid contact with skin. |
| Inhalation | Do not inhale. |
| Ingestion | Do not ingest. |

Component Information

Information on physical, chemical and toxicological effects

| | |
|-----------------|--|
| Symptoms | Please see section 4 of this SDS for symptoms. |
|-----------------|--|

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|------------------------|---|
| Carcinogenicity | Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP. |
|------------------------|---|

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not determined

Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

| | |
|-------------------------------|---|
| Disposal of Wastes | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| Contaminated Packaging | Disposal should be in accordance with applicable regional, national and local laws and regulations. |

14. TRANSPORT INFORMATION

Note According to 49 CFR §173.150(f)(1), this material should be reclassified as "NA1993, Combustible Liquid, N.O.S." if it is shipped in bulk.

DOT Not Regulated

IATA

UN/ID No UN2319
Proper Shipping Name Terpene hydrocarbons, N.O.S., (contain: Limonene mixture)
Hazard Class 3
Packing Group III

IMDG

UN/ID No UN2319
Proper Shipping Name Terpene hydrocarbons, N.O.S., (contain: Limonene mixture)
Hazard Class 3
Packing Group III
Marine Pollutant This material may meet the definition of a marine pollutant.

15. REGULATORY INFORMATION

International Inventories

| Chemical Name | TSCA | DSL | NDSL | EINECS | ELINCS | ENCS | IECSC | KECL | PICCS | AICS |
|---------------|------|-----|------|---------|--------|------|-------|------|-------|------|
| D-limonene | | | | Present | | | X | | X | |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

US State Regulations

California Proposition 65

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations.

16. OTHER INFORMATION

| | | | | |
|-------------|---|---------------------------------------|--------------------------------------|--|
| NFPA | Health Hazards Not determined | Flammability Not determined | Instability Not determined | Special Hazards Not determined |
| HMIS | Health Hazards 2 | Flammability 2 | Physical Hazards 0 | Personal Protection B |

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 Revision Note: Update to Section 9

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet