



Safety Data Sheet

Product Code: TUSA-DLT
Product Name: Terpene Diluent

Issue date 27-Feb-2019

Revision date 27-Feb-2019

Version 1

1. Product and Company Identification

- 1.1 Product identifiers**
- | | |
|----------------|----------------------------------|
| Product Name | Terpene Diluent – High Viscosity |
| Producer | FLPX LLC |
| Product Number | No data available |
| CAS-No. | Mixture |
- 1.2 Identified uses of the product and uses advised against**
- | | |
|----------------------|--------------------------|
| Identified Uses | Terpenes |
| Uses advised against | No information available |
- 1.3 Chemical Supplier** FLPX, LLC

- 1.4 Emergency phone number**
- | | |
|------------------------|--|
| Emergency phone number | USA 1-800-424-9300 / International +1 703-527-3887 Chemtrec CCN 845950 |
|------------------------|--|

2. Hazards Identification

- 2.1 Classification of the substance or mixture**
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|-----------|--|
| GHS Class | Aquatic Toxicity (Chronic), Category 3 |
|-----------|--|
- Classification according to Regulation (EC) No 1272/2008**
Based on present data no classification and labeling is required according to Directive 1272/2008/EC and its amendments (CLP Regulation, GHS).
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
According to present data no classification and labeling is required according to Directives 67/548/EEC or 1999/45/EC.
- 2.2 GHS Label elements, including precautionary statements**
- | | |
|--------------------------|---|
| GHS Pictograms | Not hazardous |
| Signal word | Not hazardous |
| Hazard statements | H412: Harmful to aquatic life with long lasting effects |
| Precautionary statements | P273: Avoid release to the environment |
- 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - None**

3. Composition/Information on Ingredients

- 3.1 Product mixture**
- | | |
|--------------|---------|
| Formula | Mixture |
| Molecular wt | Mixture |
| CAS-No. | Mixture |
| EC-No. | Mixture |

Chemical Name	CAS-No.	EC-No.	Ingredient Percent
Proprietary Mixture	n/a	n/a	100%

Remarks	There are no additional hazardous ingredients greater than or equal to 1.0 wt% concentration or carcinogenic ingredients greater than or equal to 0.1 wt% concentration.
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4. First Aid Measures

4.1 Description of first aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
Skin contact	Wash off with soap and water. Consult a physician if symptoms occur.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if symptoms occur.
Inhalation	In case of difficult breathing, move person to fresh air. Consult a physician if symptoms occur.
Ingestion	Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects	The most important known symptoms and effects are described in the labelling (see section 2.2) and in section 11.
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4.3 Indication of any immediate medical attention and special treatment needed

Other first aid	No data available
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5. Fire Fighting Measures

5.1 Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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5.2 Special hazards arising from the substance or mixture

Special hazards	Excessive thermal decomposition at very high temperatures can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition.
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5.3 Advice for firefighters

Protective equipment	Wear self-contained breathing apparatus for firefighting if necessary.
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6. Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures

Personal precautions	For personal protection see section 8.
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6.2 Environmental precautions

Environmental precautions	In case of large spills, dike spill to prevent runoff into sewers and drains. Recover as much of the material as possible.
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6.3 Methods and materials for containment and cleaning up

Methods for cleanup	Soak up with inert absorbent material and dispose. Keep in suitable, closed containers for disposal.
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6.4 References to other sections

Other references	For disposal see section 13.
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7. Handling and Storage

7.1 General hygiene considerations

General hygiene	Avoid contact with skin and eyes. In case of large quantities of vapor or mist, use local exhaust or general dilution ventilation to control exposure within applicable limits. For precautions see section 2.2.
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7.2 Precautions for safe handling

Safe handling precautions	Keep container tightly closed in a cool, dry and well-ventilated place.
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7.3 Conditions for safe storage, including any incompatibilities

Other storage conditions	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.
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8. Exposure Controls/Personal Protection

8.1 Control and exposure limits recommended by the chemical manufacturer

OSHA Standards	No data available
Threshold Limit Values	No data available
NIOSH Recommendations	No data available

8.2 Appropriate engineering controls

Engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Use adequate ventilation where dust forms to keep concentration under exposure control limits.
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8.3 Individual protection measures, such as personal protective equipment

Respiratory protection	None required for consumer use. For manufacturing quantities: where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Eye/face protection	None required for consumer use. For manufacturing quantities: safety glasses with side-shields conforming to EN166 are recommended. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Hand protection	None required for consumer use. For manufacturing quantities: handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body protection	None required for consumer use. For manufacturing quantities: wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a) Physical appearance	Clear liquid
b) Odor	Conforms
c) Odor threshold	No data available
d) pH	No data available
e) Melting/freezing point	No data available
f) Boiling point	>200°C (>392°F) @ 760 mmHg
g) Flash point (closed cup)	>93°C (>200 °F)
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	Upper (UEL): No data available Lower (LEL): No data available
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Relative density	0.918-0.928 g/mL
n) Water solubility	Insoluble
o) Partition coefficient octanol/water	No data available
p) Auto-ignition temp	No data available
q) Decomposition temp	No data available
r) Viscosity	No data available

10. Stability and Reactivity

10.1 Reactivity

Reactivity	No data available
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10.2 Chemical stability

Chemical stability	Stable under ordinary conditions of use and storage.
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10.3 Possibility of hazardous reactions

Hazardous reactions	No data available
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10.4 Conditions to avoid

Conditions to avoid	Avoid temperatures exceeding the flashpoint.
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10.5 Incompatible materials

Incompatible materials	Strong oxidizing agents
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10.6 Hazardous decomposition products

Hazardous products	In the event of fire, see section 5.
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11. Toxicological Information**11.1 Information on toxicological effects****Acute toxicity**

Acute oral toxicity	No data available
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Acute dermal toxicity	No data available
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Acute inhalation toxicity	No data available
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Skin corrosion/irritation

Skin corrosion irritation	No data available
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Serious eye damage/eye irritation

Eye damage/eye irritation	No data available
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Respiratory or skin sensitization

Respiratory sensitizer	No data available
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Skin sensitizer	No data available
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Germ cell mutagenicity

Mutagenicity	No data available
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Suspected cancer agent

ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
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NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
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OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
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IARC	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
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Reproductive toxicity

Reproductive toxicity	This product is not reported to produce mutagenic, embryotoxic, teratogenic, or reproductive effects in humans.
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Aspiration hazard

Aspiration hazard	No data available
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12. Ecological Information**12.1 Ecotoxicity (aquatic and terrestrial)**

Ecotoxicity	Toxic to aquatic life with long lasting effects.
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12.2 Persistence and degradability

Degradability	No data available
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12.3 Bioaccumulation potential

Bioaccumulation	No data available
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12.4 Mobility in soil

Mobility in soil	No data available
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12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment	Not available as chemical safety assessment not required/not conducted.
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13. Disposal Considerations

13.1 Waste treatment methods

Waste treatment disposal

Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority

14. Transport Information

DOT (USA, NON-BULK)

Not regulated as a dangerous good

IATA (USA, NON-BULK)

Not regulated as a dangerous good

15. Regulatory Information

15.1 Safety, health, and environmental regulations specific to the product or mixture

SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 311/312 Hazards	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 311/312.
SARA 313 Components	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.
TSCA	All components of this product are on the TSCA list.
EINECS	All components of this product are on the European Inventory of Existing Commercial Chemical Substances.
Canada DSL	All components of this product are on the Canada Domestic Substance List.
CA Prop. 65 Components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

HMIS Rating	Health hazard: 1 Flammability: 1 Physical Hazard: 0
NFPA Rating	Health hazard: 1 Fire Hazard: 1 Reactivity Hazard: 0
Revision Date	27 February 2019

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. FLPX, LLC assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, FLPX, LLC assumes no responsibility for injury to vendee or third persons proximately caused by use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

Abbreviations and acronyms	<p>IMDG - International Maritime Code for Dangerous Goods TDG - Transportation of Dangerous Goods IATA - International Air Transport Association GHS - Globally Harmonized System of Classification and Labelling of Chemicals PBT - Persistent, bioaccumulative and toxic assessment vPvB - Very persistent and very bioaccumulative assessment ACGIH - American Conference of Governmental Industrial Hygienists NIOSH - National Institute for Occupational Safety and Health TLV - Threshold Limit Values CAS - Chemical Abstracts Service (division of the American Chemical Society) NFPA - National Fire Protection Association HMIS - Hazardous Materials Identification System CFR - Code of Federal Regulations SARA - Superfund Amendments and Reauthorization Act DOT - US Department of Transportation</p>
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EC50 - Half maximal effective concentration

LD50 - Median lethal dose

LC50 - Median lethal concentration

SDS - Safety Data Sheet