

# CITRUS 500

## SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	CITRUS 500
<b>Other Means of Identification</b>	ESTEAM CITRUS 500
<b>Product Family</b>	mixture
<b>Recommended Use</b>	Solvent carpet spotter.
<b>Restrictions on Use</b>	None known.
<b>Manufacturer</b>	Esteam Mfg Ltd, 3750 19th NE , Calgary , Alberta, T2E6V2, 403-291-7050, esteam.com
<b>Emergency Phone No.</b>	Canutec, 1-613-996-6666, 24 hr
<b>Date of Preparation</b>	February 08, 2017

## SECTION 2. HAZARD IDENTIFICATION

### Classification

Flammable liquid - Category 3; Skin sensitization - Category 1; Aspiration hazard - Category 1

### Label Elements



Signal Word:  
Danger

### Hazard Statement(s):

Flammable liquid and vapour.

May be fatal if swallowed and enters airways.

May cause an allergic skin reaction.

### Prevention:

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wear protective gloves/eye protection/face protection.

Contaminated work clothing must not be allowed out of the workplace.

### Response:

IF SWALLOWED: Immediately call a POISON CENTRE or doctor.

Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

If skin irritation or rash occurs: Get medical advice or attention.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Naphtha (petroleum), hydrotreated heavy	64742-48-9	80-95	
d-Limonene	5989-27-5	5-15	

### Notes

\*The exact percentage (concentrations) of the substance in the mixture has been withheld as a trade secret.

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

#### Skin Contact

Rinse with lukewarm, gently flowing water for 5 minutes. Contact a physician if irritation persists.

#### Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### Ingestion

Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned. Do not induce vomiting.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

### Specific Hazards Arising from the Product

Incomplete combustion products, Oxides of carbon, smoke, fume.

### Special Protective Equipment and Precautions for Fire-fighters

As in any fire, wear self-contained breathing apparatus and protective suit.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

### Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Avoid repeated or prolonged skin contact. Do not get in eyes. Do not swallow.

### Conditions for Safe Storage

Store in the original, labelled, shipping container. Keep container tightly closed. Store in cool dry place. Keep out of reach of children.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Not available.

### Appropriate Engineering Controls

General ventilation is usually adequate.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles.

#### Skin Protection

Wear Chemical protective gloves.

#### Respiratory Protection

Respirator not required, general ventilation is usually adequate.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	Clear liquid.
Odour	Citrus
Odour Threshold	Not available
pH	Not applicable
Melting Point/Freezing Point	Not available (melting); Not applicable (freezing)
Initial Boiling Point/Range	Not available
Flash Point	50 °C (122 °F)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	0.764
Solubility	Negligible in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)
<b>Other Information</b>	
Physical State	Liquid
Molecular Formula	Not available
Molecular Weight	Not available

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

### Conditions to Avoid

Open flames, sparks, static discharge, heat and other ignition sources.

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**Incompatible Materials**

Can react with strong oxidizers.

**Hazardous Decomposition Products**

None known.

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute Toxicity**

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Naphtha (petroleum), hydrotreated heavy	> 5000 mg/m <sup>3</sup> (rat) 7 h (vapour)	> 5000 mg/kg (rat)	> 5000 mg/kg (rabbit)
d-Limonene		4400 mg/kg (rat)	> 5000 mg/kg (rabbit)

**Skin Corrosion/Irritation**

May cause very mild irritation based on information for closely related chemicals.

**Serious Eye Damage/Irritation**

May cause very mild irritation based on information for closely related chemicals.

**STOT (Specific Target Organ Toxicity) - Single Exposure****Inhalation**

Not harmful.

**Skin Absorption**

Not harmful.

**Ingestion**

Not harmful The risk of aspiration is present when ingested.

**Aspiration Hazard**

May be drawn into the lungs (aspirated) if swallowed or vomited.

**STOT (Specific Target Organ Toxicity) - Repeated Exposure**

Symptoms may include dry, red, cracked skin (dermatitis).

**Respiratory and/or Skin Sensitization**

Not a respiratory sensitizer. May cause an allergic reaction (skin sensitization) based on information for closely related chemicals.

**Carcinogenicity**

Not known to cause cancer.

**Reproductive Toxicity****Development of Offspring**

Not known to harm the unborn child.

**Sexual Function and Fertility**

Not known to cause effects on sexual function or fertility.

**Germ Cell Mutagenicity**

No information was located.

**SECTION 12. ECOLOGICAL INFORMATION****Persistence and Degradability**

Considered to be rapidly degradable.

**Bioaccumulative Potential**

No information was located.

**Mobility in Soil**

Studies are not available.

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

## SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### Canada

##### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL or are not required to be listed.

#### USA

##### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

## SECTION 16. OTHER INFORMATION

**SDS Prepared By** Product safety manager

**Phone No.** 403-291-7050

**Date of Preparation** February 08, 2017

**References** CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS). Raw ingredient SDS's.

**Disclaimer** All information appearing herein is based upon data obtained from raw material manufacturers and/or recognized technical sources. While the information herein is believed to be true and accurate, we make no representation as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible to make their own investigation into the suitability of the information to their particular purposes. User assumes all risks of their handling, disposal and publication or use of the product, or reliance upon information contained herein. This information applies only to the product designated within this document and does not relate to its use in combination with any other chemical product. **READ THE LABEL** before using this or any product, and take any necessary precautions, dictated by the label or by common sense to ensure that your health is protected.

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## CITRUS 500 VOC

## SECTION 1. IDENTIFICATION

Product Identifier	CITRUS 500 VOC
Other Means of Identification	ESTEAM CITRUS 500
Product Family	mixture
Recommended Use	Solvent carpet spotter.
Restrictions on Use	None known.
Manufacturer	Esteam Mfg Ltd, 3750 19th NE , Calgary , Alberta, T2E6V2, 403-291-7050, esteam.com
Emergency Phone No.	Canutec, 1-613-996-6666, 24 hr
Date of Preparation	February 03, 2017

## SECTION 2. HAZARD IDENTIFICATION

## Classification

Flammable liquid - Category 4; Eye irritation - Category 2A; Skin sensitization - Category 1B; Aspiration hazard - Category 1

## Label Elements



Signal Word:  
Danger

## Hazard Statement(s):

Combustible liquid.  
May be fatal if swallowed and enters airways.  
May cause an allergic skin reaction.  
Causes serious eye irritation.

## Prevention:

Keep away from flames and hot surfaces. – No smoking.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Wear protective gloves/eye protection/face protection.  
Contaminated work clothing must not be allowed out of the workplace.

## Response:

IF SWALLOWED: Immediately call a POISON CENTRE or doctor.  
Do NOT induce vomiting.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
If eye irritation persists: Get medical advice or attention.

IF ON SKIN: Wash with plenty of water.  
If skin irritation or rash occurs: Get medical advice or attention.  
Take off contaminated clothing and wash it before reuse.

Storage:  
Store locked up.  
Dispose of contents and container in accordance with local, regional, national and international regulations.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Distillates (Petroleum), Hydrotreated Light	64742-47-8	70-90	
Diethylene glycol monobutyl ether	112-34-5	15-20	
d-Limonene	5989-27-5	1-5	

#### Notes

\*The exact percentage (concentrations) of the substance in the mixture has been withheld as a trade secret.

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

##### Skin Contact

Rinse with lukewarm, gently flowing water for 5 minutes. Contact a physician if irritation persists.

##### Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice or attention.

##### Ingestion

Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned. DO NOT induce vomiting unless directed to do so by medical personnel.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

##### Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

#### Specific Hazards Arising from the Product

May form peroxides of unknown stability.

#### Special Protective Equipment and Precautions for Fire-fighters

As in any fire, wear self-contained breathing apparatus and protective suit.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

#### Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

#### Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product.

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## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Avoid repeated or prolonged skin contact. Do not get in eyes. Do not swallow.

### Conditions for Safe Storage

Store in the original, labelled, shipping container. Keep container tightly closed. Store in cool dry place. Keep out of reach of children.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Not available.

### Appropriate Engineering Controls

General ventilation is usually adequate.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles.

#### Skin Protection

Wear Chemical protective gloves.

#### Respiratory Protection

Respirator not required, general ventilation is usually adequate.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	Colourless liquid.
Odour	Citrus
Odour Threshold	Not available
pH	Not applicable
Melting Point/Freezing Point	Not available (melting); Not applicable (freezing)
Initial Boiling Point/Range	Not available
Flash Point	81 °C (178 °F)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	0.82
Solubility	Insoluble in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)
Other Information	
Physical State	Liquid
Molecular Formula	Not available
Molecular Weight	Not available



## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

### Conditions to Avoid

Open flames, sparks, static discharge, heat and other ignition sources.

### Incompatible Materials

Can react with strong oxidizers.

### Hazardous Decomposition Products

None known.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Distillates (Petroleum), Hydrotreated Light	> 5000 mg/m <sup>3</sup> (rat) (4-hour exposure) (vapour)	> 5000 mg/kg (rat)	> 5000 mg/kg (rabbit)
d-Limonene		4400 mg/kg (rat)	> 5000 mg/kg (rabbit)
Diethylene glycol monobutyl ether	> 29 ppm (rat) (2-hour exposure)	4500 mg/kg (rat)	2764 mg/kg (rabbit)

### Skin Corrosion/Irritation

May cause very mild irritation based on information for closely related chemicals.

### Serious Eye Damage/Irritation

Animal tests show very mild irritation.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

Not harmful.

#### Skin Absorption

Not harmful.

#### Ingestion

The risk of aspiration is present when ingested.

### Aspiration Hazard

May be drawn into the lungs (aspirated) if swallowed or vomited.

### Respiratory and/or Skin Sensitization

Not known to be a respiratory sensitizer. Skin sensitizer. Can cause an allergic reaction (skin sensitization) based on animal tests.

### Carcinogenicity

Not known to cause cancer.

### Reproductive Toxicity

#### Development of Offspring

Not known to harm the unborn child.

#### Sexual Function and Fertility

Not known to cause effects on sexual function or fertility.

### Germ Cell Mutagenicity

Not known to be a mutagen.

## SECTION 12. ECOLOGICAL INFORMATION

### Persistence and Degradability

Considered to be rapidly degradable.

### Bioaccumulative Potential

No information was located.

### Mobility in Soil

Studies are not available.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

## SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL or are not required to be listed.

#### USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

## SECTION 16. OTHER INFORMATION

NFPA Rating Health - 2

SDS Prepared By Product safety manager

Phone No. 403-291-7050

Date of Preparation February 03, 2017

References CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS). Raw ingredient SDS's.

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Date of Preparation: February 03, 2017

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