

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Citrus Lift Station Cleaner  
Product code : 155-9809

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Degreaser.

#### 1.3. Details of the supplier of the safety data sheet

American Cleaning Solutions  
39-30 Review Avenue  
Long Island City, NY 11101  
T (718) 392-8080

#### 1.4. Emergency telephone number

Emergency number : INFOTRAC: 800-535-5053

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

Flam. Liq. 4 H227 - Combustible liquid  
Skin Irrit. 2 H315 - Causes skin irritation  
Skin Sens. 1 H317 - May cause an allergic skin reaction

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) :

Warning

Hazard statements (GHS-US) :

H227 - Combustible liquid  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction

Precautionary statements (GHS-US) :

P210 - Keep away from heat/sparks/open flames). - No smoking  
P261 - Avoid breathing dust/mist/spray  
P264 - Wash hands and forearms thoroughly after handling  
P272 - Contaminated work clothing must not be allowed out of the workplace  
P280 - Wear protective gloves/eye protection/face protection  
P302+P352 - If on skin: Wash with plenty of soap and water  
P321 - Specific treatment (see First aid measures on this label)  
P332+P313 - If skin irritation occurs: Get medical advice/attention  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention  
P362 - Take off contaminated clothing and wash it before reuse  
P362+P364 - Take off contaminated clothing and wash it before reuse  
P370+P378 - In case of fire: Use appropriate media to extinguish  
P403+P235 - Store in a well-ventilated place. Keep cool  
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

| Name         | Product identifier | %     | Classification (GHS-US)   |
|--------------|--------------------|-------|---|
| (+)-limonene | (CAS No) 5989-27-5 | >= 80 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317 |

Full text of H-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).   |
| First-aid measures after inhalation   | : Allow victim to breathe fresh air. Allow the victim to rest.  |
| First-aid measures after skin contact | : Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see First aid measures on this label). If skin irritation or rash occurs: |
| First-aid measures after eye contact  | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.  |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.  |

#### 4.2. Most important symptoms and effects, both acute and delayed

|                                      |  |
|--------------------------------------|--|
| Symptoms/injuries after inhalation   | : May cause an allergic skin reaction. |
| Symptoms/injuries after skin contact | : Causes skin irritation.              |

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

#### 5.2. Special hazards arising from the substance or mixture

|                  |   |
|------------------|---|
| Fire hazard      | : Combustible liquid.                             |
| Explosion hazard | : May form flammable/explosive vapor-air mixture. |

#### 5.3. Advice for firefighters

|                                |   |
|--------------------------------|---|
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection.   |

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

|                  |   |
|------------------|---|
| General measures | : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. |
|------------------|---|

##### 6.1.1. For non-emergency personnel

|                      |                                   |
|----------------------|-----------------------------------|
| Emergency procedures | : Evacuate unnecessary personnel. |
|----------------------|-----------------------------------|

##### 6.1.2. For emergency responders

|                      |  |
|----------------------|--|
| Protective equipment | : Equip cleanup crew with proper protection. |
| Emergency procedures | : Ventilate area.                            |

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

|                         |  |
|-------------------------|--|
| Methods for cleaning up | : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. |
|-------------------------|--|

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### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapors are flammable. Keep away from heat/sparks/open flames). - No smoking.
- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Avoid breathing dust/mist/spray.
- Hygiene measures : Wash hands and forearms thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed.
- Storage conditions : Keep only in the original container in a cool, well ventilated place away from heat, hot surfaces, sparks, open flame and other ignition sources. No smoking. Keep container closed when not in use. Keep in fireproof place.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

- Personal protective equipment : Avoid all unnecessary exposure.
- Hand protection : Wear protective gloves/eye protection/face protection protective gloves.
- Eye protection : Chemical goggles or safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : Wear appropriate mask.
- Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Color : light yellow
- Odor : Citrus fruits
- Odor threshold : No data available
- pH : N/A
- Melting point : No data available
- Freezing point : No data available
- Boiling point : 315 °F
- Flash point : 145 °F
- Relative evaporation rate (butyl acetate=1) : No data available
- Flammability (solid, gas) : No data available
- Explosion limits : No data available
- Explosive properties : No data available
- Oxidizing properties : No data available
- Vapor pressure : No data available
- Relative density : 0.842
- Relative vapor density at 20 °C : 4.9
- Solubility : Insoluble in water.  
Water: Solubility in water of component(s) of the mixture :  
• : • :

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|                           |                     |
|---------------------------|---------------------|
| Log Pow                   | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity                 | : No data available |
| Viscosity, kinematic      | : 1 cSt             |
| Viscosity, dynamic        | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions. Combustible liquid. May form flammable/explosive vapor-air mixture.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| <b>(+)-limonene (5989-27-5)</b> |   |
|---------------------------------|---|
| LD50 oral rat                   | 4400 mg/kg body weight (Rat; OECD 423: Acute Oral Toxicity – Acute Toxic Class Method; Literature study; > 2000 mg/kg bodyweight; Rat; Read-across) |
| LD50 dermal rabbit              | > 5000 mg/kg body weight (Rabbit; Weight of evidence; Equivalent or similar to OECD 402)  |
| ATE US (oral)                   | 4400.000 mg/kg body weight  |

|                                   |  |
|-----------------------------------|--|
| Skin corrosion/irritation         | : Causes skin irritation.<br>pH: N/A   |
| Serious eye damage/irritation     | : Not classified<br>pH: N/A            |
| Respiratory or skin sensitization | : May cause an allergic skin reaction. |
| Germ cell mutagenicity            | : Not classified                       |
| Carcinogenicity                   | : Not classified                       |

| <b>(+)-limonene (5989-27-5)</b> |                      |
|---------------------------------|----------------------|
| IARC group                      | 3 - Not classifiable |

|   |   |
|---|---|
| Reproductive toxicity                               | : Not classified  |
| Specific target organ toxicity (single exposure)    | : Not classified  |
| Specific target organ toxicity (repeated exposure)  | : Not classified  |
| Aspiration hazard                                   | : Not classified  |
| Potential Adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |
| Symptoms/injuries after inhalation                  | : May cause an allergic skin reaction.                              |
| Symptoms/injuries after skin contact                | : Causes skin irritation.   |

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### SECTION 12: Ecological information

#### 12.1. Toxicity

| <b>(+)-limonene (5989-27-5)</b> |  |
|---------------------------------|--|
| LC50 fish 1                     | 720 µg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value)  |
| EC50 Daphnia 1                  | 0.36 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value) |
| Threshold limit algae 1         | 150 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Desmodesmus subspicatus; Static system; Fresh water; Read-across)        |

#### 12.2. Persistence and degradability

| <b>Citrus Lift Station Cleaner</b> |  |
|------------------------------------|--|
| Persistence and degradability      | Not established.   |
| <b>(+)-limonene (5989-27-5)</b>    |  |
| Persistence and degradability      | Readily biodegradable in water. Forming sediments in water. Adsorbs into the soil. |
| ThOD                               | 3.29 g O <sub>2</sub> /g substance   |

#### 12.3. Bioaccumulative potential

| <b>Citrus Lift Station Cleaner</b> |  |
|------------------------------------|--|
| Bioaccumulative potential          | Not established.   |
| <b>(+)-limonene (5989-27-5)</b>    |  |
| BCF fish 1                         | 864.8 - 1022 (BCF; Pisces)   |
| Log Pow                            | 4.38 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 37 °C) |
| Bioaccumulative potential          | Potential for bioaccumulation ( $4 \geq \text{Log Kow} \leq 5$ ).                                |

#### 12.4. Mobility in soil

| <b>(+)-limonene (5989-27-5)</b> |  |
|---------------------------------|--|
| Log Koc                         | Koc,SRC PCKOCWIN v2.0; 1120 - 6324; QSAR |

#### 12.5. Other adverse effects

|                              |  |
|------------------------------|--|
| Effect on the global warming | : No known ecological damage caused by this product. |
| Other information            | : Avoid release to the environment.                  |

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

|                                |   |
|--------------------------------|---|
| Waste disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| Additional information         | : Handle empty containers with care because residual vapors are flammable.  |
| Ecology - waste materials      | : Avoid release to the environment.   |

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT  
Not regulated for transport

#### TDG

No additional information available

#### Transport by sea

No additional information available

#### Air transport

No additional information available

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### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### Citrus Lift Station Cleaner

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

##### (+)-limonene (5989-27-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2. International regulations

##### CANADA

No additional information available

##### EU-Regulations

No additional information available

##### National regulations

No additional information available

#### 15.3. US State regulations

No additional information available

### SECTION 16: Other information

Revision date : 04/15/2015

Other information : None.

Full text of H-phrases:

|               |                                      |
|---------------|--------------------------------------|
| Flam. Liq. 3  | Flammable liquids Category 3         |
| Flam. Liq. 4  | Flammable liquids Category 4         |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| Skin Sens. 1  | Skin sensitization Category 1        |
| H226          | Flammable liquid and vapor           |
| H227          | Combustible liquid                   |
| H315          | Causes skin irritation               |
| H317          | May cause an allergic skin reaction  |

HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II & IIIA)

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal Protection : B

B - Safety glasses, Gloves

SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*