

# LIFT STATION KEEPER CITRUS

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : LIFT STATION KEEPER CITRUS  
Product code : LIFC

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

Use of the substance/mixture : Industrial Lift Station Well Degreaser and Deodorizer

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

Sky Blue Industries, Inc.  
760 W. Exchange Road  
Ogden, Utah 84401 - USA  
T (800) 998-2808

#### 1.4. Emergency telephone number

Emergency number : Chemtrec 1-800-424-9300

### SECTION 2: Hazards identification

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

##### GHS-US classification

Flam. Liq. 3 H226  
Skin Irrit. 2 H315  
Skin Sens. 1 H317  
Aquatic Acute 1 H400  
Aquatic Chronic 1 H410

Full text of H-statements: see section 16

#### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS-US)



Signal word (GHS-US)

: **Warning**

Hazard statements (GHS-US)

: Flammable liquid and vapour  
Causes skin irritation  
May cause an allergic skin reaction  
Very toxic to aquatic life  
Very toxic to aquatic life with long lasting effects

Precautionary statements (GHS-US)

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 ventilating, lighting, electrical equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Avoid breathing fume, gas, mist, spray, vapours.  
Wash hands and exposed skin thoroughly after handling.  
Contaminated work clothing must not be allowed out of the workplace.  
Avoid release to the environment.  
Wear eye protection, protective gloves.

Response

: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
If skin irritation or rash occurs: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.  
In case of fire: Use dry sand, Dry chemical, alcohol resistant foam to extinguish.  
Collect spillage.

Storage

: Store in a well-ventilated place. Keep cool.

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Disposal : Dispose of contents/container in accordance with local/state/federal regulations.

### 2.3. Other hazards

No additional information available

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

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name       | Product identifier | %   | GHS-US classification   |
|------------|--------------------|-----|---|
| d-Limonene | (CAS No) 5989-27-5 | 100 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/injuries after skin contact : Irritation. May cause an allergic skin reaction.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam. Carbon dioxide. Dry chemical.

Unsuitable extinguishing media : Do not use a heavy water stream.

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

Fire hazard : Flammable liquid and vapour.

Explosion hazard : Gas/vapour explosive with air within explosion limits.

Reactivity : Flammable liquid and vapour.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

General measures : No flames, no sparks. Eliminate all sources of ignition.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate area. Keep upwind. Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing fume, gas, mist, spray, vapours.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Stop leak if safe to do so. Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. See Section 12 for additional Ecological information.

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

- For containment : Collect spillage.
- Methods for cleaning up : Notify authorities if product enters sewers or public waters. Take up liquid spill into inert absorbent material. Scoop absorbed substance into closing containers. Store away from other materials.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing fume, gas, mist, spray, vapours.
- Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed.
- Incompatible products : Peroxides. Strong acids. Strong oxidizing agents.
- Incompatible materials : Heat sources. Sources of ignition.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| LIFT STATION KEEPER CITRUS |                |
|----------------------------|----------------|
| ACGIH                      | Not applicable |
| OSHA                       | Not applicable |

### 8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Hand protection : Protective gloves.
- Eye protection : Safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Environmental exposure controls : Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

- Physical state : Liquid
- Appearance : Clear, colorless to pale yellow liquid.
- Colour : Colorless to pale yellow
- Odour : Citrus
- Odour threshold : No data available
- pH : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : 175 - 176 °C
- Flash point : 48 °C
- Relative evaporation rate (butylacetate=1) : 0.2
- Flammability (solid, gas) : No data available

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|                                  |                       |
|----------------------------------|-----------------------|
| Explosive limits                 | : 0.7 - 6.1 vol %     |
| Explosive properties             | : No data available   |
| Oxidising properties             | : No data available   |
| Vapour pressure                  | : < 2 mm Hg @ 20°C    |
| Relative density                 | : 0.84                |
| Relative vapour density at 20 °C | : No data available   |
| Density                          | : 7.01 lb/gal         |
| Solubility                       | : Insoluble in water. |
| Log Pow                          | : No data available   |
| Log Kow                          | : No data available   |
| Auto-ignition temperature        | : 237 °C              |
| Decomposition temperature        | : No data available   |
| Viscosity                        | : No data available   |
| Viscosity, kinematic             | : No data available   |
| Viscosity, dynamic               | : No data available   |

### 9.2. Other information

|             |           |
|-------------|-----------|
| VOC content | : 100.0 % |
|-------------|-----------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Flammable liquid and vapour.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

Peroxides. Strong acids. Strong oxidizing agents.

### 10.6. Hazardous decomposition products

When heated to decomposition, emits acrid fumes of carbon oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                |                  |
|----------------|------------------|
| Acute toxicity | : Not classified |
|----------------|------------------|

| d-Limonene (5989-27-5) |  |
|------------------------|--|
| LD50 oral rat          | 4400 mg/kg bodyweight (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 bodyweight (Rabbit; Weight of evidence; Equivalent or similar to OECD 402)  |
| ATE US (oral)          | 4400 mg/kg bodyweight  |

|  |  |
|--|--|
| Skin corrosion/irritation                          | : Causes skin irritation.                          |
| Serious eye damage/irritation                      | : Not classified                                   |
| Respiratory or skin sensitisation                  | : May cause an allergic skin reaction.             |
| Germ cell mutagenicity                             | : Not classified                                   |
| Carcinogenicity                                    | : Not classified                                   |
| Reproductive toxicity                              | : Not classified                                   |
| Specific target organ toxicity (single exposure)   | : Not classified                                   |
| Specific target organ toxicity (repeated exposure) | : Not classified                                   |
| Aspiration hazard                                  | : Not classified                                   |
| Symptoms/injuries after skin contact               | : Irritation. May cause an allergic skin reaction. |

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.

##### d-Limonene (5989-27-5)

|                         |   |
|-------------------------|---|
| LC50 fish 1             | 720 µg/l (96 h; Pimephales promelas; Lethal)  |
| EC50 Daphnia 1          | 0.36 mg/l (48 h; Daphnia magna; GLP)          |
| LC50 fish 2             | 702 µg/l (96 h; Pimephales promelas)          |
| Threshold limit algae 1 | 150 mg/l (72 h; Desmodesmus subspicatus; GLP) |
| Threshold limit algae 2 | 2.62 mg/l (72 h; Desmodesmus subspicatus)     |

#### 12.2. Persistence and degradability

##### d-Limonene (5989-27-5)

|                               |  |
|-------------------------------|--|
| 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

##### d-Limonene (5989-27-5)

|                           |  |
|---------------------------|--|
| BCF fish 1                | 864.8 - 1022 (Pisces; Fresh weight)  |
| Log Pow                   | 4.38 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 37 °C) |
| Bioaccumulative potential | Not established.   |

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with local/state/federal regulations.  
Additional information : Flammable vapours may accumulate in the container.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT:

Transport document description : UN2319 Terpene hydrocarbons, n.o.s., 3, III  
UN-No.(DOT) : UN2319  
Proper Shipping Name (DOT) : Terpene hydrocarbons, n.o.s.  
Transport hazard class(es) (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : III - Minor Danger  
Dangerous for the environment : Yes  
Marine pollutant : Yes



DOT Packaging Non Bulk (49 CFR 173.xxx) : 203  
DOT Packaging Bulk (49 CFR 173.xxx) : 242

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|  |   |
|--|---|
| DOT Special Provisions (49 CFR 172.102)                          | : B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.<br>IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).<br>T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)<br>TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / (1 + a (tr - tf))$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.<br>TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP. |
| DOT Packaging Exceptions (49 CFR 173.xxx)                        | : 150   |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 60 L  |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)     | : 220 L   |
| DOT Vessel Stowage Location                                      | : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.   |

### Additional information

Other information : No supplementary information available.

### ADR

No additional information available

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### 15.2. International regulations

#### CANADA

No additional information available

#### EU-Regulations

No additional information available

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

No additional information available

#### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

#### National regulations

No additional information available

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

## SECTION 16: Other information

Indication of changes : Formatting change. Additional physical/chemical properties.  
Revision date : 06/02/2015

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Full text of H-statements:

|                   |   |
|-------------------|---|
| Aquatic Acute 1   | Hazardous to the aquatic environment — Acute Hazard, Category 1   |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Flam. Liq. 3      | Flammable liquids, Category 3                                     |
| Skin Irrit. 2     | Skin corrosion/irritation, Category 2                             |
| Skin Sens. 1      | Sensitisation — Skin, category 1                                  |
| H226              | Flammable liquid and vapour                                       |
| H315              | Causes skin irritation  |
| H317              | May cause an allergic skin reaction                               |
| H400              | Very toxic to aquatic life  |
| H410              | Very toxic to aquatic life with long lasting effects              |

SDS US (GHS HazCom 2012) - Custom

*The information provided on this document is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.*