

**Citrus 6.6z 30% DZ**

Version 1.0

Revision Date 07/07/2017

Print Date 08/16/2017

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Material name : Citrus 6.6z 30% DZ

Material number : B68801

**Manufacturer or supplier's details**

Company : Zep Inc.

Address : 11627 - 178 Street  
Edmonton, Alberta T5S 1N6  
Canada

Telephone : 404-352-1680

**Emergency telephone numbers****For SDS Information** : Compliance Services 1-877-428-9937**For a Medical Emergency** : 877-541-2016 Toll Free - All Calls Recorded**For a Transportation Emergency** : CHEMTREC: 800-424-9300 - All Calls Recorded.**Recommended use of the chemical and restrictions on use**

Recommended use : Air Care

**SECTION 2. HAZARDS IDENTIFICATION****Emergency Overview**

|            |                                    |
|------------|------------------------------------|
| Appearance | Aerosol containing a liquefied gas |
| Colour     | yellow                             |
| Odour      | characteristic                     |

**GHS Classification**Flammable aerosols : Category 1  
Gases under pressure : Liquefied gas  
Eye irritation : Category 2A  
Specific target organ toxicity - single exposure : Category 3 (Central nervous system)**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H222 Extremely flammable aerosol.  
H280 Contains gas under pressure; may explode if heated.  
H319 Causes serious eye irritation.

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H336 May cause drowsiness or dizziness.

## Precautionary statements

: **Prevention:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container: Do not pierce or burn, even after use.

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear eye protection/ face protection.

**Response:**

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

**Storage:**

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

P403 Store in a well-ventilated place.

**Disposal:**

Dispose of contents/container in accordance with local regulation.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Hazardous components**

| Chemical name | CAS-No. | Concentration [%] |
|---------------|---------|-------------------|
| acetone       | 67-64-1 | >= 50 - < 70      |
| propane       | 74-98-6 | >= 20 - < 30      |

**SECTION 4. FIRST AID MEASURES**

## General advice

: Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.

## If inhaled

: Consult a physician after significant exposure.  
If unconscious place in recovery position and seek medical advice.

## In case of skin contact

: In case of contact, immediately flush skin with soap and plenty of water.  
If skin irritation persists, call a physician.

## In case of eye contact

: Remove contact lenses.

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|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                             | <p>Protect unharmed eye.<br/>Keep eye wide open while rinsing.<br/>If eye irritation persists, consult a specialist.<br/>In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.</p>                                                                                                                                                                                                                                                       |
| If swallowed                                                | <p>: Keep respiratory tract clear.<br/>Never give anything by mouth to an unconscious person.<br/>If symptoms persist, call a physician.<br/>DO NOT induce vomiting unless directed to do so by a physician or poison control center.</p>                                                                                                                                                                                                                                   |
| Most important symptoms and effects, both acute and delayed | <p>: Effects are dependent on exposure (dose, concentration, contact time).<br/>Effects are immediate and delayed.<br/>Symptoms may include irritation, redness, pain, and rash.<br/>Symptoms of overexposure may include disorientation; dizziness; and confusion. May progress to unconsciousness, paralysis, and convulsions.</p> <p>Causes serious eye irritation.<br/>May cause drowsiness or dizziness.<br/>Review section 2 of SDS to see all potential hazards.</p> |
| Notes to physician                                          | <p>: Treat symptomatically. Symptoms may be delayed.</p>                                                                                                                                                                                                                                                                                                                                                                                                                    |

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**SECTION 5. FIREFIGHTING MEASURES**

|                                               |                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media                  | <p>: Alcohol-resistant foam<br/>Carbon dioxide (CO2)<br/>Dry chemical<br/>Water spray jet</p>                                                                                                                                                                                      |
| Unsuitable extinguishing media                | <p>: High volume water jet</p>                                                                                                                                                                                                                                                     |
| Specific hazards during firefighting          | <p>: Do not allow run-off from fire fighting to enter drains or water courses.</p>                                                                                                                                                                                                 |
| Hazardous combustion products                 | <p>: Carbon dioxide (CO2)<br/>Carbon monoxide<br/>Smoke</p>                                                                                                                                                                                                                        |
| Specific extinguishing methods                | <p>: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.</p>                                                                                                                                                                   |
| Further information                           | <p>: For safety reasons in case of fire, cans should be stored separately in closed containments.<br/>Use a water spray to cool fully closed containers.<br/>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.</p> |
| Special protective equipment for firefighters | <p>: Wear self-contained breathing apparatus for firefighting if necessary.</p>                                                                                                                                                                                                    |

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
- Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Sweep up or vacuum up spillage and collect in suitable container for disposal.

**SECTION 7. HANDLING AND STORAGE**

- Advice on safe handling : Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Take precautionary measures against static discharges.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Dispose of rinse water in accordance with local and national regulations.  
Always replace cap after use.
- Conditions for safe storage : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.  
No smoking.  
Keep in a dry, cool and well-ventilated place.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid : Keep away from oxidizing agents, strongly acid or alkaline materials and amines.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

| Components | CAS-No. | Value type<br>(Form of exposure) | Control parameters /<br>Permissible concentration | Basis |
|------------|---------|----------------------------------|---------------------------------------------------|-------|
|            |         |                                  |                                                   |       |

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|         |         |       |                                      |           |
|---------|---------|-------|--------------------------------------|-----------|
| acetone | 67-64-1 | TWA   | 500 ppm<br>1,200 mg/m <sup>3</sup>   | CA AB OEL |
|         |         | STEL  | 750 ppm<br>1,800 mg/m <sup>3</sup>   | CA AB OEL |
|         |         | TWA   | 250 ppm                              | CA BC OEL |
|         |         | STEL  | 500 ppm                              | CA BC OEL |
|         |         | STEV  | 1,000 ppm<br>2,380 mg/m <sup>3</sup> | CA QC OEL |
|         |         | TWAEV | 500 ppm<br>1,190 mg/m <sup>3</sup>   | CA QC OEL |
|         |         | TWA   | 250 ppm                              | ACGIH     |
|         |         | STEL  | 500 ppm                              | ACGIH     |
| propane | 74-98-6 | TWA   | 1,000 ppm                            | CA AB OEL |
|         |         | TWA   | 1,000 ppm                            | CA BC OEL |
|         |         | TWAEV | 1,000 ppm<br>1,800 mg/m <sup>3</sup> | CA QC OEL |
|         |         | TWA   | 1,000 ppm                            | ACGIH     |

**Biological occupational exposure limits**

| Components  | CAS-No. | Control parameters | Biological specimen | Sampling time                                            | Permissible concentration | Basis     |
|-------------|---------|--------------------|---------------------|----------------------------------------------------------|---------------------------|-----------|
| 2-PROPANONE | 67-64-1 | Acetone            | Urine               | End of shift (As soon as possible after exposure ceases) | 25 mg/l                   | ACGIH BEI |

**Engineering measures** : effective ventilation in all processing areas

**Personal protective equipment**

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection  
Remarks : No special protection is required.

Eye protection : Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded.

Skin and body protection : No special protection is required.

Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : Aerosol containing a liquefied gas

Colour : yellow

Odour : characteristic

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|                                        |                                |
|----------------------------------------|--------------------------------|
| Odour Threshold                        | : No data available            |
| pH                                     | : No data available            |
| Melting point/freezing point           | : No data available            |
| Boiling point                          | : No data available            |
| Flash point                            | :<br>No data available         |
| Evaporation rate                       | : No data available            |
| Flammability (solid, gas)              | : Extremely flammable aerosol. |
| Upper explosion limit                  | : No data available            |
| Lower explosion limit                  | : No data available            |
| Vapour pressure                        | : No data available            |
| Relative vapour density                | : No data available            |
| Density                                | : No data available            |
| Solubility(ies)                        |                                |
| Water solubility                       | : soluble                      |
| Solubility in other solvents           | : not determined               |
| Partition coefficient: n-octanol/water | : No data available            |
| Auto-ignition temperature              | : not determined               |
| Thermal decomposition                  | : No data available            |
| Viscosity                              |                                |
| Viscosity, kinematic                   | : No data available            |
| Heat of combustion                     | : 36.44 kJ/g                   |

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**SECTION 10. STABILITY AND REACTIVITY**

|                                    |                                                                                                       |
|------------------------------------|-------------------------------------------------------------------------------------------------------|
| Reactivity                         | : Stable                                                                                              |
| Chemical stability                 | : Stable under normal conditions.                                                                     |
| Possibility of hazardous reactions | : Vapours may form explosive mixture with air.<br>No decomposition if stored and applied as directed. |
| Conditions to avoid                | : Heat, flames and sparks.<br>Extremes of temperature and direct sunlight.                            |
| Incompatible materials             | : Acids<br>Oxidizing agents<br>Bases<br>Amines                                                        |
| Hazardous decomposition            | : Carbon monoxide                                                                                     |

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products

Carbon dioxide (CO<sub>2</sub>)

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**SECTION 11. TOXICOLOGICAL INFORMATION****Potential Health Effects**

Aggravated Medical Condition : None known.

Symptoms of Overexposure : Effects are dependent on exposure (dose, concentration, contact time).  
Effects are immediate and delayed.  
Symptoms may include irritation, redness, pain, and rash.  
Symptoms of overexposure may include disorientation; dizziness; and confusion. May progress to unconsciousness, paralysis, and convulsions.

**Carcinogenicity:****IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**Acute toxicity****Components:****acetone:**

Acute oral toxicity : LD50 Rat: 5,800 mg/kg

Acute inhalation toxicity : LC50 Rat: 132 mg/l  
Exposure time: 3 h

LC50 Rat: 50.1 mg/l

Acute dermal toxicity : LD50 Guinea pig: > 7,426 mg/kg

LD50 Rabbit: > 7,426 mg/kg

**Skin corrosion/irritation****Product:**

Remarks: May irritate skin.

**Serious eye damage/eye irritation****Product:**

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Remarks: Severe eye irritation

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**STOT - single exposure**

No data available

**STOT - repeated exposure**

No data available

**Aspiration toxicity**

No data available

**Further information****Product:**

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential****Product:**

Partition coefficient: n-octanol/water : Remarks: No data available

**Mobility in soil**

No data available

**Other adverse effects**

No data available

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Additional ecological information : No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Dispose of in accordance with local regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

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**SECTION 14. TRANSPORT INFORMATION**

|                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------|
| Transportation Regulation (TDG) / Règlement Pour Le Transport (TMD): (Canada):<br>UN1950, AEROSOLS, FLAMMABLE, 2.1, (LQ), - Limited quantity |
|----------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                              |
|--------------------------------------------------------------------------------------------------------------|
| Transportation Regulation / Règlement Pour Le Transport: IMDG (Vessel):<br>UN1950, AEROSOLS, FLAMMABLE, 2.1, |
|--------------------------------------------------------------------------------------------------------------|

|                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------|
| Transportation Regulation / Règlement Pour Le Transport: IATA (Cargo Air):<br>UN1950, AEROSOLS, FLAMMABLE, 2.1, |
|-----------------------------------------------------------------------------------------------------------------|

|                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------|
| Transportation Regulation / Règlement Pour Le Transport: IATA (Passenger Air):<br>This material is not classified. |
|--------------------------------------------------------------------------------------------------------------------|

|                                                                                                     |
|-----------------------------------------------------------------------------------------------------|
| Transportation Regulation / Règlement Pour Le Transport: 49 CFR (USA):<br>ORM-D, CONSUMER COMMODITY |
|-----------------------------------------------------------------------------------------------------|

The product as delivered to the customer conforms to packaging requirements for shipment by road under Transport Dangerous Goods (TDG) Canada regulations. Additional transportation classifications noted above are for reference only, and not a certification or warranty of the suitability of the packaging for shipment under these alternative transport regulations.

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**SECTION 15. REGULATORY INFORMATION**

This product has been classified according to the hazard criteria of the HPR and the SDS contains all of the information required by the HPR.

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The components of this product are reported in the following inventories:

**TSCA** On TSCA Inventory  
**DSL** All components of this product are on the Canadian DSL

For information on the country notification status for other regions please contact the manufacturer's regulatory group.

## Inventory Acronym and Validity Area Legend:

TSCA (USA), DSL (Canada), NDSL (Canada)

## SECTION 16. OTHER INFORMATION

## WHMIS - GHS Label Information:

Hazard pictograms :



Signal word : **Danger:**  
 Hazard statements : Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. May cause drowsiness or dizziness.

Precautionary statements :  
**Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source.  
 Pressurized container: Do not pierce or burn, even after use. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear eye protection/ face protection.  
**Response:** IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. 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/ attention.  
**Storage:** Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in a well-ventilated place.  
**Disposal:** Dispose of contents/container in accordance with local regulation.

|                |            |
|----------------|------------|
| Version:       | 1.0        |
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Zep Inc. markets products under well recognized and established brand names such as Zep®, Zep Commercial®, Zep Professional®, Enforcer®, National Chemical™, Selig™, Misty®, Next Dimension™, Petro®, i-Chem®, TimeMist®, TimeWick™, MicrobeMax®, Country Vet®, Konk®, Original Bike Spirits®, Blue Coral®, Black Magic®, Rain-X®, Niagara National™, FC Forward Chemicals®, Rexodan®, Mykal™, and a number of private labeled brands.

# SAFETY DATA SHEET



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