SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name: PA1001 TM W CUP D APPLE 30 DAY 12/CS
Material number: 000000000001043715

Manufacturer or supplier's details
Company: Zep Inc.
Address: 1310 Seaboard Industrial Blvd., NW
Atlanta, GA 30318
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.
In the District of Columbia 202-483-7616

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

| Appearance | liquid |
| Colour | clear |
| Odour | characteristic |

GHS Classification
Skin corrosion: Category 1B
Serious eye damage: Category 1

GHS Label element
Hazard pictograms:

Signal word: Danger
Hazard statements: H314 Causes severe skin burns and eye damage.

Precautionary statements: Prevention:
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P310 IF INHALED: Remove victim to fresh air...
and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

P363 Wash contaminated clothing before reuse.

**Storage:**
P405 Store locked up.

**Disposal:**
P501 Dispose of contents/container in accordance with local regulation.

**Potential Health Effects**

**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.

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

**NTP**
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance / Mixture:** Mixture

**Hazardous components**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides</td>
<td>68391-01-5</td>
<td>&gt;= 10 - &lt; 20</td>
</tr>
<tr>
<td>Alcohols, C12-13, ethoxylated</td>
<td>66455-14-9</td>
<td>&gt;= 10 - &lt; 20</td>
</tr>
</tbody>
</table>

---

### SECTION 4. FIRST AID MEASURES

**General advice**

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

**If inhaled**

- If unconscious place in recovery position and seek medical advice.
- If symptoms persist, call a physician.

**In case of skin contact**

- If skin irritation persists, call a physician.
- If on clothes, remove clothes.
- Wash contaminated clothing before re-use.
Wash off immediately with plenty of water for at least 15 minutes.

**In case of eye contact:**
- Remove contact lenses.
- Protect unharmed eye.
- Keep eye wide open while rinsing.
- If eye irritation persists, consult a specialist.
- In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.

**If swallowed:**
- Keep respiratory tract clear.
- Never give anything by mouth to an unconscious person.
- If symptoms persist, call a physician.
- DO NOT induce vomiting unless directed to do so by a physician or poison control center.

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### SECTION 5. FIREFIGHTING MEASURES

| Suitable extinguishing media | Alcohol-resistant foam  
| Carbon dioxide (CO2)  
| Dry chemical  
| Water spray jet |

| Unsuitable extinguishing media | High volume water jet |

| Specific hazards during firefighting | Do not allow run-off from fire fighting to enter drains or water courses. |

| Hazardous combustion products | Carbon monoxide  
| Carbon dioxide (CO2)  
| Smoke |

| Specific extinguishing methods | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |

| Further information | Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
| Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
| For safety reasons in case of fire, cans should be stored separately in closed containments.  
| Use a water spray to cool fully closed containers. |

| Special protective equipment for firefighters | Wear self-contained breathing apparatus for firefighting if necessary. |

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

| Personal precautions, protective equipment and emergency procedures | Use personal protective equipment. |

| 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 |
Methods and materials for containment and cleaning up:
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling:
Do not breathe vapours/dust.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
To avoid spills during handling keep bottle on a metal tray.
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage:
Keep container tightly closed in a dry and well-ventilated place.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid:
Keep away from oxidising agents and strongly acid or alkaline materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters
Contains no substances with occupational exposure limit values.

Personal protective equipment
Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection Remarks:
The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection:
Ensure that eyewash stations and safety showers are close to the workstation location.
Safety glasses

Skin and body protection:
Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>clear</td>
</tr>
<tr>
<td>Odour</td>
<td>characteristic</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>no data available</td>
</tr>
<tr>
<td>pH</td>
<td>6.5</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>no data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>no data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>not applicable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>no data available</td>
</tr>
<tr>
<td>Relative vapour density</td>
<td>no data available</td>
</tr>
<tr>
<td>Density</td>
<td>1.02 g/cm³</td>
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<tr>
<td>Solubility(ies)</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>insoluble</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>not determined</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>no data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>not determined</td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>no data available</td>
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</table>

SECTION 10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>Stable</td>
</tr>
<tr>
<td>Chemical stability</td>
<td>Stable under normal conditions.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>No decomposition if stored and applied as directed.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Heat, flames and sparks.</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>None.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>Carbon monoxide</td>
</tr>
<tr>
<td></td>
<td>Carbon dioxide (CO2)</td>
</tr>
</tbody>
</table>

SECTION 11. TOXICOLOGICAL INFORMATION
SAFETY DATA SHEET

PA1001 TM W CUP D APPLE 30 DAY 12/CS

Version 1.0 Revision Date 05/28/2015 Print Date 06/29/2015

Acute toxicity

Product:
Acute oral toxicity: Acute toxicity estimate: 3,332 mg/kg
Method: Calculation method

Skin corrosion/irritation

Product:
Remarks: Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation

Product:
Remarks: May cause irreversible eye damage.

Respiratory or skin sensitisation
no data available

Germ cell mutagenicity
no data available

Carcinogenicity
no data available

Reproductive toxicity
no data available
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides:
Alcohols, C12-13, ethoxylated:
STOT - single exposure
no data available

STOT - repeated exposure
no data available

Aspiration toxicity
no data available

Further information
Product:
Remarks: no data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

no data available

Persistence and degradability
Bioaccumulative potential

**Product:**

Partition coefficient: n-octanol/water

Remarks: no data available

Mobility in soil

no data available

Other adverse effects

no data available

**Product:**

Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

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.

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**SECTION 14. TRANSPORT INFORMATION**

<table>
<thead>
<tr>
<th>Transportation</th>
<th>Regulation: 49 CFR (USA):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL</td>
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<table>
<thead>
<tr>
<th>Transportation</th>
<th>Regulation: IMDG (Vessel):</th>
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<tbody>
<tr>
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<td>NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Transportation</th>
<th>Regulation: IATA (Cargo Air):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL</td>
</tr>
</tbody>
</table>
SECTİON 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity
This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : SARA 313: 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.

California Prop 65 This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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

TSCA On TSCA Inventory
DSL This product contains one or several components that are not on the Canadian DSL nor NDSL.
AICS Not in compliance with the inventory
NZIoC Not in compliance with the inventory
PICCS Not in compliance with the inventory
IECSC Not in compliance with the inventory

Inventory Acronym and Validity Area Legend:
AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

SECTİON 16. OTHER INFORMATION
Further information

**NFPA:**

- Flammability: 0
- Health: 3
- Reactivity: 0

**HMIS III:**

- **HEALTH:** 3
- **FLAMMABILITY:** 0
- **PHYSICAL HAZARD:** 0

NFPA:
- Flammability: 0
- Health: 3
- Reactivity: 0

HMIS III:
- **HEALTH:** 3
- **FLAMMABILITY:** 0
- **PHYSICAL HAZARD:** 0

Special hazard.

### OSHA GHS Label Information:

**Hazard pictograms:**

- 

**Signal word:** Danger

**Hazard statements:**

- Causes severe skin burns and eye damage.

**Precautionary statements:**

- **Prevention:** Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection.

- **Response:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ show er. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. Wash contaminated clothing before reuse.

- **Storage:** Store locked up.

- **Disposal:** Dispose of contents/container in accordance with local regulation.

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