

**PA1004 TM ACAP SPLASH W-CUP 30D 12/CS**

Version 2.0

Revision Date 02/06/2018

Print Date 03/16/2020

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Material name : PA1004 TM ACAP SPLASH W-CUP 30D 12/CS

Material number : 000000000001044935

**Manufacturer or supplier's details**

Company : Zep Inc.

Address : 350 Joe Frank Harris Parkway, SE  
Emerson, GA 30137

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**Recommended use of the chemical and restrictions on use**

Recommended use : Air Care

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

|            |                     |
|------------|---------------------|
| Appearance | liquid              |
| Colour     | clear, light yellow |
| Odour      | characteristic      |

**GHS Classification**

Flammable liquids : Category 4  
 Skin irritation : Category 2  
 Eye irritation : Category 2A  
 Skin sensitisation : Category 1  
 Specific target organ toxicity - single exposure : Category 3 (Respiratory system)

**GHS label elements**

Hazard pictograms :



Signal word : Warning

Hazard statements : H227 Combustible liquid.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.

**PA1004 TM ACAP SPLASH W-CUP 30D 12/CS**

Version 2.0

Revision Date 02/06/2018

Print Date 03/16/2020

Precautionary statements : **Prevention:**  
 P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
 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.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P280 Wear protective gloves/ eye protection/ face protection.

**Response:**  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 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.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
 P337 + P313 If eye irritation persists: Get medical advice/ attention.  
 P362 Take off contaminated clothing and wash before reuse.  
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**  
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.

**Disposal:**  
 P501 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 [%] |
|--|------------|-------------------|
| diethyl phthalate                            | 84-66-2    | >= 30 - < 50      |
| ethyl 2,3-epoxy-3-phenylbutyrate             | 77-83-8    | >= 5 - < 10       |
| 7-hydroxycitronellal                         | 107-75-5   | >= 5 - < 10       |
| benzyl acetate                               | 140-11-4   | >= 5 - < 10       |
| Oil of orange                                | 8008-57-9  | >= 5 - < 10       |
| undecan-4-olide                              | 104-67-6   | >= 5 - < 10       |
| (-)-pin-2(10)-ene                            | 18172-67-3 | >= 5 - < 10       |
| diethyl malonate                             | 105-53-3   | >= 5 - < 10       |
| Terpenes and Terpenoids, lime-oil            | 68917-71-5 | >= 5 - < 10       |
| 3-methylbutyl isovalerate                    | 659-70-1   | >= 5 - < 10       |
| Oils, sweet orange (terpenes and terpenoids) | 68647-72-3 | >= 0.1 - < 1      |

The exact percentages of disclosed substances are withheld as trade secrets.

**PA1004 TM ACAP SPLASH W-CUP 30D 12/CS**

Version 2.0

Revision Date 02/06/2018

Print Date 03/16/2020

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**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 : 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.  
Wash off immediately with plenty of water for at least 15 minutes.  
If on clothes, remove clothes.  
Wash contaminated clothing before re-use.
- In case of eye contact : Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.  
Rinse immediately 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.
- Most important symptoms and effects, both acute and delayed : Effects are immediate and delayed.  
Effects are dependent on exposure (dose, concentration, contact time).  
Symptoms may include shortness of breath, dry cough, and irritation of the nose, eyes, lips, mouth, and throat.  
Symptoms may include irritation, redness, pain, and rash.  
Causes serious eye irritation.  
May cause respiratory irritation.  
Review section 2 of SDS to see all potential hazards.
- Notes to physician : Treat symptomatically. Symptoms may be delayed.
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**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Water spray jet  
Alcohol-resistant foam  
Dry chemical
- 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 : Carbon monoxide
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**PA1004 TM ACAP SPLASH W-CUP 30D 12/CS**

Version 2.0

Revision Date 02/06/2018

Print Date 03/16/2020

|   |  |
|---|--|
| products                                      | Carbon dioxide (CO <sub>2</sub> )<br>Smoke   |
| Specific extinguishing methods                | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  |
| Further information                           | : 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. |
| 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 further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inform respective authorities.   |
| Methods and materials for containment and cleaning up               | : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).<br>Keep in suitable, closed containers for disposal. |

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**SECTION 7. HANDLING AND STORAGE**

|                             |  |
|-----------------------------|--|
| Advice on safe handling     | : Avoid formation of aerosol.<br>Do not breathe vapours/dust.<br>Avoid exposure - obtain special instructions before use.<br>Avoid contact with skin and eyes.<br>For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.<br>Provide sufficient air exchange and/or exhaust in work rooms.<br>Dispose of rinse water in accordance with local and national regulations. |
| Conditions for safe storage | : No smoking.<br>Keep container tightly closed in a dry and well-ventilated place.<br>Observe label precautions.<br>Electrical installations / working materials must comply with the technological safety standards.  |
| Materials to avoid          | : Store and keep away from bases and alkalis.<br>Store and keep away from, oxidizing agents and acids.   |

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**PA1004 TM ACAP SPLASH W-CUP 30D 12/CS**

Version 2.0

Revision Date 02/06/2018

Print Date 03/16/2020

**Components with workplace control parameters**

| Components        | CAS-No.   | Value type<br>(Form of exposure) | Control parameters /<br>Permissible concentration | Basis     |
|-------------------|-----------|----------------------------------|---|-----------|
| diethyl phthalate | 84-66-2   | TWA                              | 5 mg/m <sup>3</sup>                               | ACGIH     |
|                   |           | TWA                              | 5 mg/m <sup>3</sup>                               | NIOSH REL |
|                   |           | TWA                              | 5 mg/m <sup>3</sup>                               | OSHA P0   |
|                   |           | PEL                              | 5 mg/m <sup>3</sup>                               | CAL PEL   |
| benzyl acetate    | 140-11-4  | TWA                              | 10 ppm  | ACGIH     |
|                   |           | PEL                              | 10 ppm<br>61 mg/m <sup>3</sup>                    | CAL PEL   |
| Oil of orange     | 8008-57-9 | PEL (Total dust)                 | 10 mg/m <sup>3</sup>                              | CAL PEL   |
|                   |           | PEL (respirable dust fraction)   | 5 mg/m <sup>3</sup>                               | CAL PEL   |

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

**Personal protective equipment**

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

**Hand protection**

Material

: Protective gloves

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**

Appearance : liquid

Colour : clear, light yellow

Odour : characteristic

Odour Threshold : No data available

**PA1004 TM ACAP SPLASH W-CUP 30D 12/CS**

Version 2.0

Revision Date 02/06/2018

Print Date 03/16/2020

|  |                               |
|--|-------------------------------|
| pH                                     | : Not applicable              |
| Melting point/freezing point           | : No data available           |
| Boiling point                          | : 35.5 °C                     |
| Flash point                            | : 70 °C<br>Method: closed cup |
| Evaporation rate                       | : No data available           |
| Upper explosion limit                  | : No data available           |
| Lower explosion limit                  | : No data available           |
| Vapour pressure                        | : No data available           |
| Relative density                       | : No data available           |
| Density                                | : 1 - 1.02 g/cm <sup>3</sup>  |
| Solubility(ies)                        |                               |
| Water solubility                       | : insoluble                   |
| 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           |

**SECTION 10. STABILITY AND REACTIVITY**

|                                    |   |
|------------------------------------|---|
| Reactivity                         | : Stable  |
| Chemical stability                 | : Stable under normal conditions.   |
| Possibility of hazardous reactions | : No decomposition if stored and applied as directed.<br>Vapours may form explosive mixture with air. |
| Conditions to avoid                | : Heat, flames and sparks.  |
| Incompatible materials             | : Strong acids<br>Strong bases<br>Strong oxidizing agents   |
| Hazardous decomposition products   | : Carbon monoxide<br>Carbon dioxide (CO <sub>2</sub> )<br>Organic Substances                          |

**PA1004 TM ACAP SPLASH W-CUP 30D 12/CS**

Version 2.0

Revision Date 02/06/2018

Print Date 03/16/2020

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

Aggravated Medical Condition : None known.

Symptoms of Overexposure : Effects are immediate and delayed.  
Effects are dependent on exposure (dose, concentration, contact time).  
Symptoms may include shortness of breath, dry cough, and irritation of the nose, eyes, lips, mouth, and throat.  
Symptoms may include irritation, redness, pain, and rash.

**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 on OSHA's list of regulated carcinogens.

**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.

**Acute toxicity****Product:**

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate : > 200 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

**Components:**

**diethyl phthalate:**  
Acute oral toxicity : LD50 Oral Rat: 8,600 mg/kg

**PA1004 TM ACAP SPLASH W-CUP 30D 12/CS**

Version 2.0

Revision Date 02/06/2018

Print Date 03/16/2020

Acute inhalation toxicity : LC50 Rat: > 4,640 mg/l  
Exposure time: 6 h  
Test atmosphere: vapour

Acute dermal toxicity : LD50 Dermal Rat, male and female: > 10,000 mg/kg

**ethyl 2,3-epoxy-3-phenylbutyrate:**

Acute oral toxicity : LD50 Oral Rat: 5,470 mg/kg

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

Remarks: Irritating to skin.

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

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****Product:**

No aspiration toxicity classification

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

Remarks: No data available



**PA1004 TM ACAP SPLASH W-CUP 30D 12/CS**

Version 2.0

Revision Date 02/06/2018

Print Date 03/16/2020

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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

**Components:****diethyl phthalate :**

Partition coefficient: n-octanol/water : log Pow: 2.2 (41 °C)

**benzyl acetate :**

Partition coefficient: n-octanol/water : Pow: 1.96

**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.

**PA1004 TM ACAP SPLASH W-CUP 30D 12/CS**

Version 2.0

Revision Date 02/06/2018

Print Date 03/16/2020

Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

**SECTION 14. TRANSPORT INFORMATION**

Transportation Regulation: 49 CFR (USA):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation: IMDG (Vessel):  
UN1169, EXTRACTS, AROMATIC, LIQUID, 3, III

Transportation Regulation: IATA (Cargo Air):  
UN1169, Extracts, aromatic, liquid, 3, III

Transportation Regulation: IATA (Passenger Air):  
UN1169, Extracts, aromatic, liquid, 3, III

Transportation Regulation: TDG (Canada):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

The product as delivered to the customer conforms to packaging requirements for shipment by road under US Department of Transportation (DOT) 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.

**SECTION 15. REGULATORY INFORMATION**

**TSCA list** : No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

**EPCRA - Emergency Planning and Community Right-to-Know Act**
**CERCLA Reportable Quantity**

| Components        | CAS-No. | Component RQ<br>(lbs) | Calculated product RQ<br>(lbs) |
|-------------------|---------|-----------------------|--------------------------------|
| diethyl phthalate | 84-66-2 | 1000                  | 2857                           |

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Flammable (gases, aerosols, liquids, or solids)  
Skin corrosion or irritation  
Serious eye damage or eye irritation  
Respiratory or skin sensitisation

## PA1004 TM ACAP SPLASH W-CUP 30D 12/CS

Version 2.0

Revision Date 02/06/2018

Print Date 03/16/2020

Specific target organ toxicity (single or repeated exposure)

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

**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.

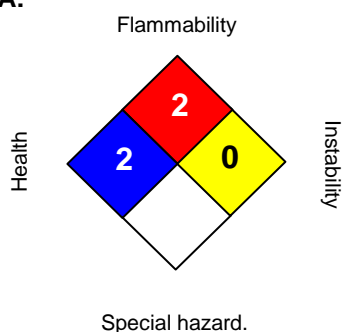
**The components of this product are reported in the following inventories:**

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

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****Further information****NFPA:****HMIS III:**

|                        |          |
|------------------------|----------|
| <b>HEALTH</b>          | <b>2</b> |
| <b>FLAMMABILITY</b>    | <b>2</b> |
| <b>PHYSICAL HAZARD</b> | <b>0</b> |

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

**OSHA - GHS Label Information:**

## PA1004 TM ACAP SPLASH W-CUP 30D 12/CS

Version 2.0

Revision Date 02/06/2018

Print Date 03/16/2020

Hazard pictograms :



Signal word :

**Warning:**

Hazard statements :

Combustible liquid. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation.

Precautionary statements :

**Prevention:** Keep away from heat/sparks/open flames/hot surfaces. No smoking. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/ eye protection/ face protection.

**Response:** IF ON SKIN: Wash with plenty of soap and water. 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 skin irritation or rash occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool.

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

|                |            |
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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.