

O2 AQUA BY TIMEMIST REFILL 6/CS

Version 1.0

Revision Date 05/14/2015

Print Date 06/09/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : O2 AQUA BY TIMEMIST REFILL 6/CS

Material number : 00000000001047433

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 | light yellow |
| Odour | pleasant |

GHS Classification

Flammable liquids : Category 4
 Skin irritation : Category 2
 Serious eye damage : Category 2A
 Skin sensitisation : Category 1

GHS Label element

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.

Precautionary statements : **Prevention:**
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
 P264 Wash skin thoroughly after handling.

O2 AQUA BY TIMEMIST REFILL 6/CS

Version 1.0

Revision Date 05/14/2015

Print Date 06/09/2015

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.

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.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

P370 + P378 In case of fire: Use alcohol-resistant foam, carbon dioxide or dry sand for extinction.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

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.

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

| Chemical Name | CAS-No. | Concentration [%] |
|------------------------------|------------|-------------------|
| (R)-p-mentha-1,8-diene | 5989-27-5 | >= 5 - < 10 |
| 2-phenylethanol | 60-12-8 | >= 5 - < 10 |
| linalool | 78-70-6 | >= 5 - < 10 |
| citronellol | 106-22-9 | >= 5 - < 10 |
| 2,6-dimethyloct-7-en-2-ol | 18479-58-8 | >= 5 - < 10 |
| benzyl acetate | 140-11-4 | >= 1 - < 5 |
| eugenol | 97-53-0 | >= 0.1 - < 1 |
| l-p-mentha-1(6),8-dien-2-one | 6485-40-1 | >= 0.1 - < 1 |
| pin-2(10)-ene | 127-91-3 | >= 0.1 - < 1 |
| cineole | 470-82-6 | >= 1 - <= 5 |
| pin-2(3)-ene | 80-56-8 | >= 0.1 - <= 1 |

O2 AQUA BY TIME MIST REFILL 6/CS

Version 1.0

Revision Date 05/14/2015

Print Date 06/09/2015

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 : Move to fresh air in case of accidental inhalation of vapours.
- In case of skin contact : Wash off with plenty of water.
Wash contaminated clothing before reuse.
Take off all contaminated clothing immediately.
If skin irritation persists, call a physician.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,
for at least 15 minutes.
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
-

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO₂)
Dry chemical
Foam
- Unsuitable extinguishing media : none
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Carbon dioxide (CO₂)
Carbon monoxide
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.

O2 AQUA BY TIMEMIST REFILL 6/CS

Version 1.0

Revision Date 05/14/2015

Print Date 06/09/2015

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition.
Use personal protective equipment.
Ensure adequate ventilation.
- 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.
Do not flush into surface water or sanitary sewer system.
- 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 and shovel into suitable containers for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Use only with adequate ventilation.
Wear personal protective equipment.
Avoid contact with skin and eyes.
Keep away from fire, sparks and heated surfaces.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Keep away from sources of ignition - No smoking.
- Materials to avoid : No special restrictions on storage with other products.

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

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|----------------|----------|----------------------------------|---|-------|
| benzyl acetate | 140-11-4 | TWA | 10 ppm | ACGIH |

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.
Tightly fitting safety goggles

O2 AQUA BY TIMEMIST REFILL 6/CS

Version 1.0

Revision Date 05/14/2015

Print Date 06/09/2015

- Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place. impervious clothing
- 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 : light yellow
- Odour : pleasant
- Odour Threshold : no data available
- pH : no data available
- Melting point/freezing point : no data available
- Boiling point : no data available
- Flash point : 61 °C
- Evaporation rate : no data available
- Upper explosion limit : no data available
- Lower explosion limit : no data available
- Vapour pressure : 0.00911 hPa (20 °C)
- Relative density : no data available
- Density : no data available
- Solubility(ies)
- Water solubility : insoluble
- Solubility in other solvents : practically insoluble
- 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 : No decomposition if used as directed.

O2 AQUA BY TIME MIST REFILL 6/CS

Version 1.0

Revision Date 05/14/2015

Print Date 06/09/2015

| | |
|------------------------------------|---|
| Chemical stability | : Stable under normal conditions. |
| Possibility of hazardous reactions | : No decomposition if stored and applied as directed. |
| Conditions to avoid | : Heat, flames and sparks. |
| Incompatible materials | : no data available |
| Hazardous decomposition products | : No hazardous decomposition products are known. |

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity****Product:**

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

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

Components:**(R)-p-mentha-1,8-diene:**

Acute oral toxicity : LD50 Oral rat: 4,400 mg/kg

Acute dermal toxicity : LD50 Dermal rabbit: > 5,000 mg/kg

2-phenylethanol:

Acute oral toxicity : LD50 Oral rat: 1,790 mg/kg

Acute dermal toxicity : LD50 Dermal rabbit: 806 mg/kg

pin-2(10)-ene:

Acute oral toxicity : LD50 rat: 4,700 mg/kg

pin-2(3)-ene:

Acute oral toxicity : LD50 rat: 3,700 mg/kg

Skin corrosion/irritation**Product:**

Remarks: Irritating to skin.

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

Remarks: Irritating to eyes.

Respiratory or skin sensitisation

O2 AQUA BY TIMEMIST REFILL 6/CS

Version 1.0

Revision Date 05/14/2015

Print Date 06/09/2015

Product:

Remarks: Causes sensitisation.

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

(R)-p-mentha-1,8-diene:**2-phenylethanol:****linalool:****citronellol:****2,6-dimethyloct-7-en-2-ol:****benzyl acetate:****eugenol:****l-p-mentha-1(6),8-dien-2-one:****pin-2(10)-ene:****cineole:****pin-2(3)-ene:****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

no data available

Bioaccumulative potential**Product:**Partition coefficient: n- : Remarks: no data available
octanol/water

O2 AQUA BY TIMEMIST REFILL 6/CS

Version 1.0

Revision Date 05/14/2015

Print Date 06/09/2015

Components:**2-phenylethanol :**

Partition coefficient: n-octanol/water : Pow: 1.36

citronellol :

Partition coefficient: n-octanol/water : Pow: 3.6

benzyl acetate :

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

pin-2(3)-ene :

Partition coefficient: n-octanol/water : log Pow: 4.834

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

: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Toxic to aquatic life., Harmful to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues

: The product should not be allowed to enter drains, water courses or the soil.
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.**SECTION 14. TRANSPORT INFORMATION**

O2 AQUA BY TIMEMIST REFILL 6/CS

Version 1.0

Revision Date 05/14/2015

Print Date 06/09/2015

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

SECTION 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 : Fire Hazard
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 | On the inventory, or in compliance with the inventory |
| AICS | On the inventory, or in compliance with the inventory |
| NZIoC | Not in compliance with the inventory |
| PICCS | On the inventory, or in compliance with the inventory |
| IECSC | On the inventory, or in compliance with the inventory |

Inventory Acronym and Validity Area Legend:

O2 AQUA BY TIME MIST REFILL 6/CS

Version 1.0

Revision Date 05/14/2015

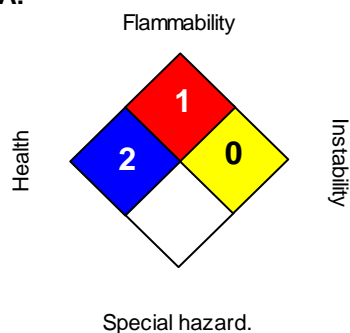
Print Date 06/09/2015

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

| | |
|------------------------|----------|
| HEALTH | 2 |
| FLAMMABILITY | 1 |
| PHYSICAL HAZARD | 0 |

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

OSHA GHS Label Information:

Hazard pictograms



Signal word

: **Warning:**

Hazard statements

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

Precautionary statements

Prevention: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. 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 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. If skin irritation or rash occurs: Get medical advice/ attention. Take off contaminated clothing and wash before reuse. In case of fire: Use alcohol-resistant foam, carbon dioxide or dry sand for extinction.

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

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

| | |
|----------------|------------|
| Version: | 10 |
| Revision Date: | 05/14/2015 |
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O2 AQUA BY TIMEMIST REFILL 6/CS

Version 1.0

Revision Date 05/14/2015

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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.