

**BZ7381 SPRAY BUFF SOL R04201 12QT/CS**

Version 1.0

Revision Date 10/30/2014

Print Date 12/28/2017

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Material name : BZ7381 SPRAY BUFF SOL R04201 12QT/CS

Material number : 000000000001041424

**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     | milky, white |
| Odour      | mild         |

**GHS Classification**

Not a hazardous substance or mixture.

**GHS Label element**

Not a hazardous substance or mixture.

**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**

| Chemical Name                 | CAS-No.    | Concentration [%] |
|-------------------------------|------------|-------------------|
| 2-(2-ethoxyethoxy)ethanol     | 111-90-0   | >= 1 - < 5        |
| Alcohols, C10-14, ethoxylated | 66455-15-0 | >= 1 - < 5        |

**SECTION 4. FIRST AID MEASURES**

- General advice : 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 skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Dry chemical  
Foam
- Unsuitable extinguishing media : High volume water jet
- Hazardous combustion products : Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Smoke
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.
- Methods and materials for containment and cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).  
Keep in suitable, closed containers for disposal.

**SECTION 7. HANDLING AND STORAGE**

- Advice on safe handling : Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
- 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**

| Components                | CAS-No.  | Value type<br>(Form of exposure) | Control parameters /<br>Permissible concentration | Basis   |
|---------------------------|----------|----------------------------------|---------------------------------------------------|---------|
| 2-(2-ethoxyethoxy)ethanol | 111-90-0 | TWA                              | 25 ppm                                            | US WEEL |

**Personal protective equipment**

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand protection  
Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles
- 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.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                        |                                               |
|----------------------------------------|-----------------------------------------------|
| Appearance                             | : liquid                                      |
| Colour                                 | : milky, white                                |
| Odour                                  | : mild                                        |
| Odour Threshold                        | : no data available                           |
| pH                                     | : 8 - 9                                       |
| Boiling point                          | : 100 °C                                      |
| Flash point                            | : > 93.3 °C<br>Method: TCC                    |
| Evaporation rate                       | : 1                                           |
| Upper explosion limit                  | : no data available                           |
| Lower explosion limit                  | : no data available                           |
| Vapour pressure                        | : no data available                           |
| Relative vapour density                | : no data available                           |
| Density                                | : 1.003 g/cm3                                 |
| Solubility(ies)                        |                                               |
| Water solubility                       | : soluble in cold water, soluble in hot water |
| Partition coefficient: n-octanol/water | : no data available                           |
| Auto-ignition temperature              | : not determined                              |
| Thermal decomposition                  | : 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.                |
| Conditions to avoid                | : no data available                                                  |
| Incompatible materials             | : Acids<br>Oxidizing agents                                          |
| Hazardous decomposition products   | : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). |

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**SECTION 11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

no data available

**Skin corrosion/irritation**

**Product:**

Remarks: May cause skin irritation and/or dermatitis.

**Serious eye damage/eye irritation**

**Product:**

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

**Respiratory or skin sensitisation**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

no data available

**Reproductive toxicity**

no data available

**2-(2-ethoxyethoxy)ethanol:**

**Alcohols, C10-14, 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

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**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

no data available

**Persistence and degradability**

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no data available

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

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

**Components:****2-(2-ethoxyethoxy)ethanol :**

Partition coefficient: n-octanol/water : Pow: 0.54

**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****International regulation****UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

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**IMDG-Code**

Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations****49 CFR**

Not regulated as a dangerous good

**Special precautions for user**

not applicable

**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

| Components       | CAS-No.   | Component RQ<br>(lbs) | Calculated product RQ<br>(lbs) |
|------------------|-----------|-----------------------|--------------------------------|
| sodium hydroxide | 1310-73-2 | 1000                  | *                              |

\*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

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

**SARA 311/312 Hazards** : No SARA Hazards**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:**

|              |                                                                                            |
|--------------|--------------------------------------------------------------------------------------------|
| <b>TSCA</b>  | On TSCA Inventory                                                                          |
| <b>DSL</b>   | This product contains one or several components that are not on the Canadian DSL nor NDSL. |
| <b>AICS</b>  | Not in compliance with the inventory                                                       |
| <b>NZIoC</b> | Not in compliance with the inventory                                                       |

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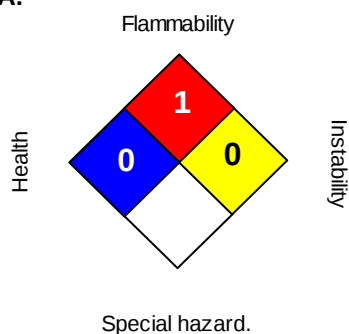
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**PICCS**  
**IECSC**Not in compliance with the inventory  
Not in compliance with the inventory**Inventory Acronym and Validity Area Legend:**

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

**SECTION 16. OTHER INFORMATION****Further information****NFPA:****HMIS III:**

|                        |          |
|------------------------|----------|
| <b>HEALTH</b>          | <b>0</b> |
| <b>FLAMMABILITY</b>    | <b>1</b> |
| <b>PHYSICAL HAZARD</b> | <b>0</b> |

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

**OSHA GHS Label Information:**

Not a hazardous substance or mixture.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. Users should make their own investigations to determine the suitability and applicability of the information for their particular purposes. This SDS has been prepared by the Compliance Services organization supporting this manufacturer, supplier or distributor.

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