SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name: BZ7958 ZEPCOM MLT SRF FLR CL ZUMSF1284/1
Material number: 000000000001048421

Manufacturer or supplier’s details
Company: Zep Inc.
Address: 1310 Seaboard Industrial Blvd., NW
Atlanta, GA 30318
Telephone: 404-352-1680

Emergency telephone numbers

<table>
<thead>
<tr>
<th>For SDS Information</th>
<th>Compliance Services 1-877-428-9937</th>
</tr>
</thead>
<tbody>
<tr>
<td>For a Medical Emergency</td>
<td>877-541-2016 Toll Free - All Calls Recorded</td>
</tr>
<tr>
<td>For a Transportation</td>
<td>CHEMTREC: 800-424-9300 - All Calls Recorded.</td>
</tr>
<tr>
<td>Emergency</td>
<td>In the District of Columbia 202-483-7616</td>
</tr>
</tbody>
</table>

Note: This product is labeled as a consumer product in accordance with the United States Consumer Product Safety Commission regulations. The warnings presented below in this Safety Data Sheet (SDS) comply with the 2012 OSHA Hazard Communication Standard (GHS - Globally Harmonized System of Classification and Labeling). The requirements for the labeling and warnings of consumer products may differ from those required for GHS based hazard communication.

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

<table>
<thead>
<tr>
<th>Appearance</th>
<th>liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>clear</td>
</tr>
<tr>
<td>Odour</td>
<td>characteristic</td>
</tr>
</tbody>
</table>

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.
SAFETY DATA SHEET

BZ7958 ZEPCOM MLT SRF FLR CL ZUMSF1284/1

Version 1.0  Revision Date 06/23/2015  Print Date 06/26/2015

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

Substance / Mixture : Mixture

Hazardous components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-(1-methyl-2-propoxyethoxy)propan-2-ol</td>
<td>29911-27-1</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

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

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

In case of skin contact : If on clothes, remove clothes. If skin irritation persists, call a physician. Wash off immediately with plenty of water for at least 15 minutes.

In case of eye contact : Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist. If in eyes, rinse with water for 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.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water spray jet Alcohol-resistant foam Carbon dioxide (CO2) 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 dioxide (CO2)
products

Carbon monoxide
Smoke

Specific extinguishing methods

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

Further information

Standard procedure for chemical fires.
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

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
Evacuate personnel to safe areas.
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 respective authorities.

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

For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.

Conditions for safe storage

Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid

No materials to be especially mentioned.

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

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: liquid
Colour: clear
Odour: characteristic
Odour Threshold: No data available
pH: 8.5 - 9.0
Melting point/freezing point: No data available
Boiling point: 100 °C
Flash point: does not flash
Evaporation rate: 1
Upper explosion limit: Not applicable
Lower explosion limit: Not applicable
Vapour pressure: not determined
Density: 0.99 g/cm3
Solubility(ies)
Water solubility: partly soluble
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: Stable under recommended storage conditions. No hazards to be specially mentioned.
Conditions to avoid: No data available
Incompatible materials: None.
Hazardous decomposition products: Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

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

Skin corrosion/irritation
No data available
Serious eye damage/eye irritation
No data available
Respiratory or skin sensitisation
No data available
Germ cell mutagenicity
No data available
Carcinogenicity
No data available
Reproductive toxicity
No data available
1-(1-methyl-2-propoxyethoxy)propan-2-ol:
STOT - single exposure
No data available
STOT - repeated exposure
No data available
Aspiration toxicity
No data available
Further information
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:**

1-(1-methyl-2-propanoxygeno)propan-2-ol :

Partition coefficient: n-octanol/water :

**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

SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

Waste from residues : Dispose of in accordance with local regulations. Do not contaminate ponds, waterways or ditches with chemical or used container. The product should not be allowed to enter drains, water courses or the soil.

Contaminated packaging : Do not re-use empty containers.
Empty remaining contents. Dispose of as unused product.

### SECTION 14. TRANSPORT INFORMATION

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

### 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**: No SARA Hazards

**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**
WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

methanol 67-56-1

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

BZ7958 ZEPCOM MLT SRF FLR CL ZUMSF1284/1

Version 1.0  Revision Date 06/23/2015  Print Date 06/26/2015

TSCA  On TSCA Inventory
DSL  This product contains the following 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), KECl (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information

NFPA:  Health  Flammability

HMIS III:  Health  Flammability  Physical Hazard

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

OSHA GHS Label Information:

Not a hazardous substance or mixture.

Version: 1.0
Revision Date: 06/23/2015
Print Date: 06/26/2015

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