



Issuing Date 03-Aug-2012

Revision Date 08-Jan-2016

Revision Number 2

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### GHS product identifier

Product Name Ozium Glycol-ized Air Sanitizer

### Other means of identification

Product Code(s) OZ-1, OZ-22, OZ-23, OZ-31, OZ-62, OZ-15, OZM-1, OZM-22, OZM-23, OZM-31, 805539

Synonyms None

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

Recommended Use Air sanitizer

Uses advised against No information available

### Supplier's details

#### **Supplier Address**

Auto Expressions, LLC.

505 E. Euclid

Compton, CA 90224

USA

TEL: 877-572-2602/+1-310-639-0666

### Emergency telephone number

Company Emergency Phone Number 877-675-7226 / +1-303-389-1658

## 2. HAZARDS IDENTIFICATION

### Classification

This product is considered hazardous by the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

|   |            |
|---|------------|
| Serious Eye Damage/Eye Irritation                         | Category 2 |
| Skin Sensitization  | Category 1 |
| Specific Target Organ Systemic Toxicity (Single Exposure) | Category 3 |
| Flammable aerosols  | Category 1 |

### GHS Label elements, including precautionary statements

### Emergency Overview

Signal Word Warning

**Hazard Statements**

- Causes serious eye irritation
- May cause an allergic skin reaction
- May cause drowsiness or dizziness
- 
- Extremely flammable aerosol

**Appearance** Pale yellow.**Physical State** Aerosol.**Odor** Varies with fragrance.**Precautionary Statements****Prevention**

- Wash face, hands and any exposed skin thoroughly after handling.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Contaminated work clothing should not be allowed out of the workplace.
- Use only outdoors or in a well-ventilated area.
- Keep away from heat/sparks/open flames/hot surfaces - No smoking.
- Do not spray on an open flame or other ignition source
- Pressurized container: Do not pierce or burn, even after use.
- Wear protective gloves/protective clothing/eye protection/face protection.

**General Advice**

- None

**Eyes**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.

**Skin**

- IF ON SKIN: Wash with plenty of soap and water.
- If skin irritation or rash occurs: Get medical advice/attention.
- Wash contaminated clothing before reuse.

**Inhalation**

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Call a POISON CENTER or doctor/physician if you feel unwell.

**Storage**

- Store in a well-ventilated place. Keep container tightly closed.
- Store locked up.
- Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

**Disposal**

- Dispose of contents/container to an approved waste disposal plant.

**Hazard Not Otherwise Classified (HNOC)**

Not applicable.

**Other information**

2.4% of the mixture consists of ingredient(s) of unknown toxicity.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name     | CAS-No       | Weight % | Trade secret |
|-------------------|--------------|----------|--------------|
| Isopropyl alcohol | 67-63-0      | 40-50    | *            |
| Isobutane         | 75-28-5      | 24.18    | *            |
| Propane           | 74-98-6      | 5.82     | *            |
| Fragrance         | Trade Secret | 1-3      | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### Description of necessary first-aid measures

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| <b>Skin Contact</b> | Rinse with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.   |
| <b>Inhalation</b>   | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if exposed or you feel unwell.                          |
| <b>Ingestion</b>    | IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.  |

##### Most important symptoms/effects, acute and delayed

**Most Important Symptoms/Effects** Rashes, Itching, Hives, Eye irritation/reactions. Drowsiness. Dizziness.

##### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to Physician** May cause sensitization by skin contact. Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

Use: Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry powder. Cool containers with flooding quantities of water until well after fire is out.

**Unsuitable Extinguishing Media** None

##### Specific Hazards Arising from the Chemical

Extremely flammable. Containers may explode when heated. Use water spray to cool unopened containers.

##### Explosion Data

|   |       |
|---|-------|
| <b>Sensitivity to Mechanical Impact</b> | None. |
| <b>Sensitivity to Static Discharge</b>  | Yes.  |

##### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Do not touch damaged packages or spilled material. In case of rupture: Remove all sources of ignition. Use personal protective equipment. Ensure adequate ventilation. Use only non-sparking tools. Avoid contact with skin, eyes and clothing.

##### Environmental Precautions

**Environmental Precautions** Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.

#### **Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Pick up and transfer to properly labeled containers. In case of rupture: Soak up with inert absorbent material. Use personal protective equipment. Non-sparking tools should be used. Sweep up and shovel into suitable containers for disposal.

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

**Handling** Keep away from open flames, hot surfaces and sources of ignition. In case of rupture: Wear personal protective equipment. Ensure adequate ventilation. Take precautionary measures against static discharges. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

### **Conditions for safe storage, including any incompatibilities**

**Storage** Keep away from open flames, hot surfaces and sources of ignition. Store locked up. Protect from sunlight and store in well-ventilated place. Keep at temperatures below 50°C / 122°F.

**Incompatible Products** Strong oxidizing agents. Acids.

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

### **Control parameters**

#### **Exposure Guidelines**

| Chemical Name        | ACGIH TLV     | OSHA PEL                                     | NIOSH IDLH   |
|----------------------|---------------|--|--|
| Isobutane<br>75-28-5 | TWA: 1000 ppm | N/A  | N/A  |
| Propane<br>74-98-6   | TWA: 1000 ppm | TWA: 1000 ppm<br>TWA: 1800 mg/m <sup>3</sup> | IDLH: 2100 ppm<br>TWA: 1000 ppm<br>TWA: 1800 mg/m <sup>3</sup> |

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

### **Appropriate engineering controls**

**Engineering Measures** None under normal use conditions. Ensure that eyewash stations and safety showers are close to the workstation location.

### **Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** None required for consumer use.  
**Skin and Body Protection** None required for consumer use. Wear protective gloves/clothing.  
**Respiratory Protection** None required under normal usage. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Information on basic physical and chemical properties**

|                       |                        |                       |                           |
|-----------------------|------------------------|-----------------------|---------------------------|
| <b>Physical State</b> | Aerosol.               | <b>Appearance</b>     | Pale yellow.              |
| <b>Odor</b>           | Varies with fragrance. | <b>Odor Threshold</b> | No information available. |

| <u>Property</u>                        | <u>Values</u>     | <u>Remarks/ - Method</u> |
|--|-------------------|--------------------------|
| pH                                     | No data available | None known               |
| Melting Point/Range                    | No data available | None known               |
| Boiling Point/Boiling Range            | No data available | None known               |
| Flash Point                            | 65 °C / 149 °F    | None known               |
| Evaporation rate                       | No data available | None known               |
| Flammability (solid, gas)              | No data available | None known               |
| Flammability Limits in Air             |                   |                          |
| upper flammability limit               | No data available |                          |
| lower flammability limit               | No data available |                          |
| Vapor Pressure                         | No data available | None known               |
| Vapor Density                          | No data available | None known               |
| Specific Gravity                       | No data available | None known               |
| Water Solubility                       | Soluble in water. | None known               |
| Solubility in other solvents           | No data available | None known               |
| Partition coefficient: n-octanol/water | No data available | None known               |
| Autoignition Temperature               | No data available | None known               |
| Decomposition Temperature              | No data available | None known               |
| Viscosity                              | No data available | None known               |
| <b>Flammable Properties</b>            | Not flammable     |                          |
| <b>Explosive Properties</b>            | No data available |                          |
| <b>Oxidizing Properties</b>            | No data available |                          |

**Other information**

VOC Content (%) 55.6

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to avoid**

Keep away from open flames, hot surfaces and sources of ignition. Do not puncture or incinerate cans.

**Incompatible materials**

Strong oxidizing agents. Acids.

**Hazardous decomposition products**

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

|                            |  |
|----------------------------|--|
| <b>Product Information</b> | Product does not present an acute toxicity hazard based on known information |
| <b>Inhalation</b>          | May cause drowsiness and dizziness.  |
| <b>Eye Contact</b>         | Causes serious eye irritation.   |
| <b>Skin Contact</b>        | May cause sensitization by skin contact.                                     |
| <b>Ingestion</b>           | Not an expected route of exposure.   |

### Component Information

| Chemical Name     | LD50 Oral            | LD50 Dermal                                   | LC50 Inhalation        |
|-------------------|----------------------|---|------------------------|
| Isopropyl alcohol | = 4396 mg/kg ( Rat ) | 12800 mg/kg ( Rat )<br>12870 mg/kg ( Rabbit ) | 72.6 mg/L ( Rat ) 4 h  |
| Isobutane         | -                    | -   | = 658 mg/L ( Rat ) 4 h |
| Propane           | -                    | -   | = 658 mg/L ( Rat ) 4 h |

### Symptoms related to the physical, chemical and toxicological characteristics

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | Allergic skin reactions or irritation. Irritation May cause drowsiness and dizziness |
|-----------------|--|

### Delayed and immediate effects and also chronic effects from short and long term exposure

|                          |  |
|--------------------------|--|
| <b>Sensitization</b>     | No information available.  |
| <b>Mutagenic Effects</b> | No information available.  |
| <b>Carcinogenicity</b>   | The table below indicates whether each agency has listed any ingredient as a carcinogen. |

| Chemical Name     | ACGIH | IARC    | NTP | OSHA |
|-------------------|-------|---------|-----|------|
| Isopropyl alcohol |       | Group 3 |     |      |

#### **IARC: (International Agency for Research on Cancer)**

Group 3 - Not Classifiable as to its Carcinogenicity to Humans

|                                 |                                   |
|---------------------------------|-----------------------------------|
| <b>Reproductive Toxicity</b>    | No information available.         |
| <b>STOT - single exposure</b>   | May cause drowsiness or dizziness |
| <b>STOT - repeated exposure</b> | No information available.         |
| <b>Aspiration Hazard</b>        | No information available.         |

### Numerical measures of toxicity - Product

**Acute Toxicity** 2.4% of the mixture consists of ingredient(s) of unknown toxicity.

*The following values are calculated based on chapter 3.1 of the GHS document:*

|                    |                                      |
|--------------------|--------------------------------------|
| <b>LD50 Oral</b>   | 8961 mg/kg; Acute toxicity estimate  |
| <b>LD50 Dermal</b> | 24608 mg/kg; Acute toxicity estimate |
| <b>gas</b>         | 968028                               |

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Not Classified

34.9 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|---------------|-------------------|------------------|----------------------------|----------------------------|
|---------------|-------------------|------------------|----------------------------|----------------------------|

|                              |  |  |  |
|------------------------------|--|--|--|
| Isopropyl alcohol<br>67-63-0 | EC50 96 h: > 1000 mg/L<br>(Desmodesmus subspicatus)<br>EC50 72 h: > 1000 mg/L<br>(Desmodesmus subspicatus) | LC50 96 h: = 11130 mg/L<br>static (Pimephales promelas)<br>LC50 96 h: = 9640 mg/L<br>flow-through (Pimephales<br>promelas)<br>LC50 96 h: > 1400000 µg/L<br>(Lepomis macrochirus) | EC50 48 h: = 13299 mg/L<br>(Daphnia magna) |
|------------------------------|--|--|--|

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

| Chemical Name     | Log Pow |
|-------------------|---------|
| Isopropyl alcohol | 0.05    |
| Isobutane         | 2.88    |
| Propane           | 2.3     |

**Other Adverse Effects**

No information available.

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

### 14. TRANSPORT INFORMATION

**DOT**

Proper shipping name Consumer commodity  
Hazard Class ORM-D  
Description Consumer commodity, ORM-D  
Emergency Response Guide Number 126

**TDG**

UN-Number UN1950  
Proper Shipping Name Aerosols mixture  
Hazard Class 2.1  
Description UN1950, Aerosols mixture, 2.1, Limited Quantity

**MEX**

UN-Number UN1950  
Proper Shipping Name Aerosols mixture  
Hazard Class 2.1  
Description UN1950, Aerosols mixture, 2.1, Limited Quantity

**ICAO**

UN-Number UN1950  
Proper shipping name Aerosols mixture  
Hazard Class 2.1  
Description UN1950, Aerosols mixture, 2.1

**IATA**

UN-Number UN1950  
Proper Shipping Name Aerosols, flammable mixture

|                     |  |
|---------------------|--|
| <b>Hazard Class</b> | 2.1                                      |
| <b>ERG Code</b>     | 10L                                      |
| <b>Description</b>  | UN1950, Aerosols, flammable mixture, 2.1 |

**IMDG/IMO**

|                             |  |
|-----------------------------|--|
| <b>UN-Number</b>            | UN1950   |
| <b>Proper Shipping Name</b> | Aerosols mixture   |
| <b>Hazard Class</b>         | 2  |
| <b>Subsidiary Class</b>     | See SP63   |
| <b>EmS No.</b>              | F-D, S-U   |
| <b>Description</b>          | UN1950, Aerosols mixture, 2.1 (See SP63), Limited Quantity |

**RID**

|                             |   |
|-----------------------------|---|
| <b>UN-Number</b>            | UN1950  |
| <b>Proper Shipping Name</b> | Aerosols mixture                                |
| <b>Hazard Class</b>         | 2   |
| <b>Classification Code</b>  | 5F  |
| <b>Description</b>          | UN1950, Aerosols mixture, 2.1, Limited Quantity |

**ADR**

|                                |  |
|--------------------------------|--|
| <b>UN-Number</b>               | UN1950   |
| <b>Proper Shipping Name</b>    | Aerosols mixture                                     |
| <b>Hazard Class</b>            | 2  |
| <b>Classification Code</b>     | 5F   |
| <b>Tunnel Restriction Code</b> | (D)  |
| <b>Description</b>             | UN1950, Aerosols mixture, 2.1, (D), Limited Quantity |

**ADN**

|                             |   |
|-----------------------------|---|
| <b>UN-No</b>                | UN1950  |
| <b>Proper Shipping Name</b> | Aerosols mixture                                |
| <b>Hazard Class</b>         | 2   |
| <b>Classification Code</b>  | 5F  |
| <b>Special Provisions</b>   | 190, 327, 344, 625                              |
| <b>Description</b>          | UN1950, Aerosols mixture, 2.1, Limited Quantity |
| <b>Limited Quantity</b>     | 1 L   |
| <b>Ventilation</b>          | VE01, VE04                                      |

|                                   |
|-----------------------------------|
| <b>15. REGULATORY INFORMATION</b> |
|-----------------------------------|

**International Inventories**

|              |          |
|--------------|----------|
| <b>TSCA</b>  | Complies |
| <b>DSL</b>   | Complies |
| <b>IECSC</b> | -        |

**Legend**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

|  |     |
|--|-----|
| <b>Acute Health Hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | Yes |
| <b>Fire Hazard</b>                       | Yes |
| <b>Sudden Release of Pressure Hazard</b> | Yes |
| <b>Reactive Hazard</b>                   | No  |



**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical Name     | New Jersey | Massachusetts | Pennsylvania | Illinois | Rhode Island |
|-------------------|------------|---------------|--------------|----------|--------------|
| Isopropyl alcohol | X          | X             | X            |          | X            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

|                    |               |    |              |   |                 |   |                               |   |
|--------------------|---------------|----|--------------|---|-----------------|---|-------------------------------|---|
| <b><u>NFPA</u></b> | Health Hazard | 2  | Flammability | 2 | Instability     | 0 | Physical and Chemical Hazards | - |
| <b><u>HMIS</u></b> | Health Hazard | 2* | Flammability | 2 | Physical Hazard | 0 | Personal Protection           | X |

\*Indicates a chronic health hazard.

**Prepared By** Product Stewardship  
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**Revision Note** (M)SDS sections updated. 2.

**General Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**