

# MATERIAL SAFETY DATA SHEET

OZIUM GLYCOL-IZED AIR SANITIZER

## 1. PRODUCT AND COMPANY IDENTIFICATION

MSDS Number: 24185

Version Date: 9/6/2002

**Product Name:** OZIUM GLYCOL-IZED AIR SANITIZER

**Product Use:** Sanitizer

**Synonyms:** ALL TYPES

### Manufacturer

Medo Industries, Inc.  
P.O. Box 2967  
Houston, TX 77252-2967  
USA

### Phone Numbers

**Medical Emergency:** 1-800-546-6040  
**Transportation Emergency (USA):** 1-800-535-5053  
**Transportation Emergency (International):**  
1-352-323-3500 (Call Collect)  
**MSDS Assistance:** 1-800-546-6227  
**Fax On Demand:** 1-800-546-6227  
**Technical Assistance:** 1-800-458-4998  
**Customer Service:** 1-800-468-8397  
**Fax Number:** 713-217-3181  
**Internet Address:**

## 2. COMPONENT INFORMATION

Component	CAS No.	Weight Percent Range	Hazardous in Blend
ISOPROPYL ALCOHOL	67-63-0	40 - 50	Yes
WATER	7732-18-5	5 - 10	No
TRIETHYLENE GLYCOL	112-27-6	< 5	No
PROPYLENE GLYCOL	57-55-6	< 5	No
FRAGRANCE	TRADESECRET	< 5	No
HYDROCARBON PROPELLANT	TRADESECRET	35 - 45	Yes

This product is **HAZARDOUS** according to OSHA 29 CFR 1910.1200.

### Hazards:

**Flammable/Combustible**  **Acute Toxin**  **Chronic Toxin**  **Carcinogen**   
**Pressure**  **Reactive**  **Exposure Limit**  **Target Organ**  **Other**

**Other:** This is an EPA registered pesticide (EPA Registration No. 51838-2). It is a violation of federal law to use this product in a manner inconsistent with its labeling.

## 3. HAZARDS IDENTIFICATION

### Emergency and Hazards Overview

DANGER: Flammable. Contents under pressure. Avoid inhalation of spray mist.  
Avoid contact with skin or eyes. Keep away from heat, sparks and open flame.  
Keep Out of Reach of Children

**NFPA Ratings:** Health 2 Flammability 3 Reactivity 0

**Primary Route of Exposure:** Skin  Inhalation  Eye

### Health Effect Information

**Eye Contact:** Avoid eye contact. This product has not been tested for acute eye hazards. May be irritating to the eyes upon direct contact. Exposure to mists and vapors may be irritating to the eyes. These effects are transient, and complete recovery follows.

**Skin Contact:** Single, short exposures, as expected with consumer use of this product, are expected to be practically non-irritating to the skin. Avoid prolonged and repeated skin contact. Prolonged or repeated skin contact may result in dryness, chapping, and reddening.

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**Inhalation:** This product is not expected to pose an inhalation hazard under conditions of foreseeable use. This product may be considered a low health hazard unless inhaled in very high concentrations. Exposure to vapors generated under unusual conditions may be mildly irritating to the nose and throat. Acute and chronic overexposures may be irritating to the respiratory tract.

**Ingestion:** Not applicable by this route of exposure. Ingestion is unlikely for aerosol products.

**Medical Conditions Aggravated by Exposure:** Drying and chapping may make the skin more susceptible to other irritants, sensitizers and disease.

**Other:** No information available

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## 4. FIRST AID INFORMATION

**Eye Contact:** Immediately flush eyes with large amounts of water and continue flushing for 15 minutes or until irritation subsides. If irritation persists, seek medical attention.

**Skin Contact:** Wash contaminated area thoroughly with soap and water. If redness or irritation occurs and persists, seek medical attention. Use a hand or skin lotion to prevent dryness.

**Inhalation:** If victim exhibits signs of vapor intoxication remove to fresh air. If discomfort persists seek medical attention.

**Ingestion:** Ingestion is unlikely for aerosol products. Accidental spraying into the mouth will not result in any harmful effects. No treatment is necessary under ordinary circumstances.

**Notes to Physician:** No information available

**Other:** No information available

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## 5. FIRE AND EXPLOSION INFORMATION

### Flammable Properties

**Flash Point (aerosol concentrate):** No data available

**Test Method:** No information available

**Flash Point (aerosol concentrate):** No data available

**Test Method:** No information available

**Flame Extension:** > 18", with flashback

**Test Method:** CPSC 1500.45

### Flammable Limits in Air

**Upper Percent:** No data available

**Lower Percent:** No data available

**Autoignition Temperature:** No data available

**Test Method:** No information available

**NFPA Classification:** Level 3 Aerosol (NFPA 30B)

**Extinguishing Media:** Use water spray (fog), dry chemical, foam, or carbon dioxide.

### Fire Fighting Measures

**Special Fire Fighting Procedures and Equipment:** Container may rupture if exposed to heat. Water may be ineffective but can be used to cool containers exposed to heat or flame to prevent vapor pressure buildup and possible container rupture.

**Unusual Fire and Explosion Conditions:** Caution! Contents are under pressure and can explode when exposed to heat or flames. Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

**Hazardous Combustion By-Products:** No information available

**Other:** No information available

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### 6. ACCIDENTAL RELEASE MEASURES

**Personnel Safeguards:** Remove all sources of ignition. Provide adequate ventilation to remove vapors and mists. Consult Health Effect Information in Section 3, Personal Protection Information in Section 8, Fire and Explosion Information in Section 5, and Stability and Reactivity Information in Section 10.

**Regulatory Notifications:** No notification required

**Containment and Clean up:** No special cleanup procedures are necessary.

**Other:** No information available

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### 7. HANDLING AND STORAGE INFORMATION

**Handling:** All ignition sources in the area should be controlled. See NFPA 30B, Code for the Manufacture and Storage of Aerosol Products. Contents under pressure and can explode when exposed to heat or open flame. Caution!--Do not puncture or incinerate.

**Storage:** Do not store at temperatures greater than 120 F.

#### Empty Container Warnings

**Drums:** Not applicable

**Plastic:** Not applicable

**Other:** No information available

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

#### Exposure Limits and Guidelines

Component	CAS No.	Exposure Limit
ISOPROPYL ALCOHOL	67-63-0	OSHA - PEL: TWA 400 ppm ACGIH - TLV: TWA 400 ppm ACGIH - TLV: STEL 500 ppm
HYDROCARBON PROPELLANT	TRADESECRET	OSHA - PEL: TWA 1000 ppm

#### Personal Protective Equipment

**Eye/Face Protection:** Eye protection is not required under conditions of normal use. If material is handled such that it could be sprayed into eyes, wear plastic face shield or splash-proof safety goggles.

**Skin Protection:** Skin protection is not required under conditions of normal use. Launder soiled clothes.

**Respiratory Protection:** Respiratory protection is not required under conditions of normal use. If excessive levels of mists or vapors are generated while using this product, use an organic vapor respirator. See Section 3, Health Effect Information, Inhalation.

**Personal Hygiene:** Consumption of food and beverage should be avoided in work areas where this product is present. Always wash hands and face with soap and water before eating, drinking, or smoking.

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## Engineering Controls / Work Practices

**Ventilation:** General room ventilation is normally sufficient to prevent buildup of hazardous concentrations. If product is used in enclosed or confined spaces, adequate ventilation must be provided to prevent buildup of vapors or mists.

**Other:** No information available

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b> Clear	
<b>Odor:</b> No information available	<b>Vapor Pressure:</b> No data available
<b>Physical state:</b> Aerosol	<b>Vapor Density (air=1):</b> No data available
<b>pH:</b> No data available	<b>Percent Volatile by Volume:</b> No data available
<b>Boiling Point:</b> No data available	<b>Volatile Organic Content:</b> No data available
<b>Melting Point:</b> No data available	<b>Molecular Weight:</b> No data available
<b>Specific Gravity:</b> No data available	<b>Average Carbon Number:</b> No data available
<b>Pour Point:</b> No data available	<b>Viscosity @ 100 F:</b> No data available
	<b>Viscosity @ 40 C:</b> No data available
<b>Solubility in Water:</b> No information available	
<b>Octanol / Water Coefficient: Log <math>K_{ow}</math> =</b> No data available	

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## 10. STABILITY AND REACTIVITY INFORMATION

**Chemical Stability:** Stable

**Conditions to Avoid:** Keep away from heat, sparks, open flames and other ignition sources.

**Incompatible Materials to Avoid:** May react with strong oxidizing agents.

**Other:** No information available

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## 11. TOXICOLOGICAL INFORMATION

**Primary Eye Irritation:** No information available

**Primary Skin Irritation:** No information available

**Acute Dermal Toxicity:** No information available

**Subacute Dermal Toxicity:** No information available

**Dermal Sensitization:** No information available

**Inhalation Toxicity:** No information available

**Inhalation Sensitization:** No information available

**Oral Toxicity:** No information available

**Mutagenicity:** No information available

**Carcinogenicity:** No information available

**Reproductive and Developmental Toxicity:** No information available

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**Teratogenicity:** No information available

**Immunotoxicity:** No information available

**Neurotoxicity:** No information available

**Other:** No information available

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## 12. ECOLOGICAL INFORMATION

**Aquatic Toxicity:** No information available

**Terrestrial Toxicity:** No information available

**Chemical Fate and Transport:** No information available

**Other:** No information available

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## 13. DISPOSAL INFORMATION

**Regulatory Information:** Dispose of residual products and empty containers responsibly.

**Waste Disposal Methods:** Waste material may be landfilled or incinerated at an approved facility.

**Other:** No information available

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## 14. TRANSPORTATION INFORMATION

**U.S. Department of Transportation (DOT)**

**Highway / Rail (Bulk):** NOT APPLICABLE

**Highway / Rail (Non-Bulk):** CONSUMER COMMODITY, ORM-D

The DOT description is provided to assist in the proper shipping classification of this product and may not be suitable for all shipping descriptions.

**International Information**

**Vessel: IMDG Regulated:**   X   **IMDG Not Regulated:**       

**Air: ICAO Regulated:**   X   **ICAO Not Regulated:**       

**Other:** No information available

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## 15. Regulatory Information

**Regulatory Lists Searched:** The components listed in Section 2 of this MSDS were compared to substances that appear on the following regulatory lists. Each list is numerically identified. See Regulatory Search Results below.

**Health & Safety:** 10 - IARC carcinogen, 11 - NTP carcinogen, 12 - OSHA carcinogen, 15 - ACGIH TLV, 16 - OSHA PEL, 17 - NIOSH exposure limit, 20 - US DOT Appendix A, Hazardous substances, 22 - FDA 21 CFR Total food additives, 23 - NFPA 49 or 325

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**Environmental:** 30 - CAA 1990 Hazardous air pollutants, 31 - CAA Ozone depleters, 33 - CAA HON rule, 34 - CAA Toxic substance for accidental release prevention, 35 - CAA Volatile organic compounds (VOC's) in SOCOMI, 41 - CERCLA / SARA Section 302 extremely hazardous substances, 42 - CERCLA / SARA Section 313 emissions reporting, 43 - CWA Hazardous substances, 44 - CWA Priority pollutants, 45 - CWA Toxic pollutants, 46 - EPA Proposed test rule for hazardous air pollutants, 47 - RCRA Basis for listing - Appendix VII, 48 - RCRA waste, 49 - SDWA - (S)MCLs

**International:** 50 - Canada - WHMIS Classification of substance, 54 - Mexico - Drinking water - ecological criteria, 55 - Mexico - Wastewater discharges, 56 - US -TSCA Section (12)(b) - export notification

**State Lists:** 60 - CA - Proposition 65, 61 - FL - Substances, 62 - MI - Critical materials, 63 - MA - RTK, 64 - MA - Extraordinarily hazardous substances, 65 - MN - Hazardous substances, 66 - PA - RTK, 67 - NJ - RTK, 68 - NJ - Environmental hazardous substances, 69 - NJ - Special hazardous substances

**Inventories:** 80 - Canada - Domestic substances , 81 - European - EINECS, 82 - Japan - ENCS, 83 - Korea - Existing and evaluated chemical substances, 84 - US - TSCA , 85 - China Inventory

### **Regulatory Search Results:**

ISOPROPYL ALCOHOL: 15, 16, 17, 22, 23, 35, 42, 50, 61, 63, 65, 66, 67, 68, 69, 80, 81, 82, 83, 84, 85

PROPYLENE GLYCOL: 22, 23, 33, 35, 50, 65, 66, 69, 80, 81, 82, 83, 84, 85

TRIETHYLENE GLYCOL: 23, 33, 35, 50, 66, 69, 80, 81, 82, 83, 84, 85

WATER: 80, 81, 83, 84, 85

**U.S. TSCA Inventory:** All components of this material are on the US TSCA Inventory.

**SARA Section 313:** Consumer products are not regulated under SARA, Title III, Section 313.

**IARC:** No information available

### **SARA 311 / 312 Categories**

**Acute:**  X  **Chronic:**      **Fire:**  X  **Pressure:**  X  **Reactive:**    

**Not Regulated:**    

### **Canadian WHMIS Classification**

Class A - Compressed gas

Class B - Flammable and Combustible Material, Division 5, Flammable Aerosols

Class D - Poisonous and infectious material, Division 2B, Toxic Material

### **European Union Classification**

#### **Hazard Symbols:**

No information available

#### **Risk Phrases:**

No information available

#### **Safety Phrases:**

No information available

**Other:** No information available

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## **16. OTHER INFORMATION**

### **Health and Environmental Label Language**

Front label text:

CAUTION: Keep out of reach of children. See side panel for other cautions

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**ACTIVE INGREDIENTS:**

Triethylene Glycol.....4.4 %  
Propylene Glycol .....4.4 %  
Inert Ingredients.....91.2 %

Back Label:

**PRECAUTIONARY STATEMENTS:**

**Hazards to Humans and Domestic Animals:**

Avoid inhalation of spray mists. Avoid contact with skin or eyes.

**PHYSICAL AND CHEMICAL HAZARD:**

**FLAMMABLE.** Contents under pressure. Keep away from heat, sparks, and open flame.

Do not puncture or incinerate container. Exposure to temperature over 130F may cause bursting.

Do not spray on painted or lacquered surfaces.

**STORAGE AND DISPOSAL:**

Not to be refilled. Wrap in newspaper and put in trash.

**DO NOT PUNCTURE OR INCINERATE.**

**MSDS Revisions**

**Previous Version Date:** 4/9/2002

**Previous Version Information**

Section 14 - Transportation Information Revised.

**Other**

No information available

**Prepared By:**

**Disclaimer of Warranty:** The information contained herein is based upon data and information available to us, and reflects our best professional judgement. This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, Pennzoil-Quaker State Company must rely upon the hazard evaluation of such components submitted by that product's manufacturer or importer. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The results to be obtained from the use thereof, or that any such use does not infringe any patent. Since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use.