

**Material Safety Data Sheet****1. MATERIAL AND COMPANY IDENTIFICATION**

**Material Name** : Medo Auto Expressions Ozium Glycol-ized Air Sanitizer  
**Uses** : Sanitizer

**Manufacturer/Supplier** : **SOPUS Products**  
 700 Milam  
 Houston TX 77002-2806  
 USA

**MSDS Request** :

**Emergency Telephone Number**  
**Spill Information** : 1-877-276-7283  
**Health Information** :

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Identity	CAS No.	Concentration
Isopropyl alcohol	67-63-0	30.00 - 60.00 %
Propane	74-98-6	1.00 - 5.00 %

Aerosol spray consisting of solvent and hydrocarbon propellant.

**3. HAZARDS IDENTIFICATION**

<b>Emergency Overview</b>	
<b>Appearance and Odour</b>	: Clear. Aerosol. Varies with fragrance.
<b>Health Hazards</b>	: Vapours may cause drowsiness and dizziness. Irritating to eyes.
<b>Safety Hazards</b>	: Contents under pressure and can explode when exposed to heat or open flame. Extremely flammable.
<b>Environmental Hazards</b>	: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Health Hazards**

**Inhalation** : Vapours expected to be slightly irritating. May cause drowsiness and dizziness.

**Skin Contact** : Repeated exposure may cause skin dryness or cracking. No specific hazards under normal use conditions.

**Eye Contact** : Irritating to eyes.

**Ingestion** : Harmful: may cause lung damage if swallowed. Under normal conditions of use, this is not expected to be a primary route of exposure.

**Other Information** : Possibility of organ or organ system damage from prolonged exposure; see Chapter 11 for details. Target organ(s): Liver.

**Signs and Symptoms** : Breathing of high vapour concentrations may cause central

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nervous system (CNS) depression resulting in dizziness, light-headedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death. Defatting dermatitis signs and symptoms may include a burning sensation and/or a dried/cracked appearance. Eye irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blurred vision. Ingestion may cause inebriation. If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever. The onset of respiratory symptoms may be delayed for several hours after exposure. Liver damage may be indicated by loss of appetite, jaundice (yellowish skin and eye colour), fatigue, bleeding or easy bruising and sometimes pain and swelling in the upper right abdomen.

<b>Aggravated Medical Condition</b>	: Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this material: Eyes. Central nervous system (CNS).
<b>Environmental Hazards</b>	: No specific hazards under normal use conditions.
<b>Additional Information</b>	: Under normal conditions of use or in a foreseeable emergency, this product meets the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**4. FIRST AID MEASURES**

<b>General Information</b>	: Keep victim calm. Obtain medical treatment immediately.
<b>Inhalation</b>	: Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
<b>Skin Contact</b>	: No treatment necessary under normal conditions of use.
<b>Eye Contact</b>	: Immediately flush eyes with large amounts of water for at least 30 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment.
<b>Ingestion</b>	: In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.
<b>Advice to Physician</b>	: Treat symptomatically. Persons on disulfiram (Antabuse®) therapy should be aware that the ethyl alcohol in this product is hazardous to them just as is alcohol from any source. Disulfiram reactions (vomiting, headache and even collapse) may follow ingestion of small amounts of alcohol and have also been described from skin contact.

**5. FIRE FIGHTING MEASURES**

Clear fire area of all non-emergency personnel.

<b>Flash point</b>	: 68.89 °C / 156.00 °F (COC)
<b>Specific Hazards</b>	: Contents are under pressure and can explode when exposed to heat or flames.
<b>Suitable Extinguishing Media</b>	: Aerosol containers may be cooled by a water fog.

**Material Safety Data Sheet****6. ACCIDENTAL RELEASE MEASURES**

- Protective measures** : Remove all possible sources of ignition in the surrounding area. No specific measures.
- Clean Up Methods** : Not applicable.
- Additional Advice** : Observe the relevant local and international regulations.

**7. HANDLING AND STORAGE**

- Handling** : Do not puncture or incinerate. Contents under pressure and can explode when exposed to heat or open flame.
- Storage** : Must be stored in a well-ventilated area, away from sunlight, ignition sources and other sources of heat.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Occupational Exposure Limits**

Material	Source	Type	ppm	mg/m3	Notation
Isopropyl alcohol	OSHA Z1	PEL	400 ppm	980 mg/m3	
Isopropyl alcohol	OSHA Z1A	TWA	400 ppm	980 mg/m3	
Isopropyl alcohol	OSHA Z1A	STEL	500 ppm	1,225 mg/m3	
Isopropyl alcohol	ACGIH	TWA	200 ppm		
Isopropyl alcohol	ACGIH	STEL	400 ppm		
Propane	OSHA Z1	PEL	1,000 ppm	1,800 mg/m3	
Propane	OSHA Z1A	TWA	1,000 ppm	1,800 mg/m3	
Propane	ACGIH	TWA	1,000 ppm		

- Additional Information** : Adequate ventilation to control airborne concentrations below the exposure guidelines/limits.  
Shell has adopted as Interim Standards the OSHA Z1A values that were established in 1989 and later rescinded.
- Exposure Controls** : Adequate ventilation to control airborne concentrations below the exposure guidelines/limits.
- Personal Protective Equipment** : Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.
- Respiratory Protection** : Check with respiratory protective equipment suppliers.
- Hand Protection** : Not normally required.
- Eye Protection** : Chemical splash goggles (chemical monogoggles).
- Environmental Exposure Controls** : Use only in well-ventilated areas.

**Material Safety Data Sheet****9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : Clear. Aerosol.  
 Odour : Varies with fragrance.  
 Flash point : 68.89 °C / 156.00 °F (COC)

**10. STABILITY AND REACTIVITY**

**Stability** : Stable under normal conditions of use.  
**Conditions to Avoid** : Open flame.  
**Materials to Avoid** : Not applicable.  
**Hazardous Decomposition Products** : None expected under normal use conditions.  
**Hazardous Polymerisation** : No  
**Sensitivity to Mechanical Impact** : No

**11. TOXICOLOGICAL INFORMATION**

**Basis for Assessment** : Information given is based on data from components.  
**Acute Oral Toxicity** : Expected to be of low toxicity: LD50 >2000 mg/kg  
 Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.  
 Ingestion may cause drowsiness and dizziness.  
**Acute Dermal Toxicity** : Expected to be of low toxicity: LD50 >2000 mg/kg , Rabbit  
**Acute Inhalation Toxicity** : Expected to be of low toxicity: LC50 >20 mg/l Rat  
 High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea.  
**Skin Irritation** : Expected to be slightly irritating.  
 Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.  
**Eye Irritation** : Irritating to eyes.  
**Respiratory Irritation** : Slightly irritating.  
**Sensitisation** : Not expected to be a sensitiser.  
**Repeated Dose Toxicity** : Can cause liver damage.  
**Mutagenicity** : No evidence of mutagenic activity.  
**Carcinogenicity** : Not carcinogenic in animal studies.

<b>Material</b>	: <b>Carcinogenicity Classification</b>
Isopropyl alcohol	: IARC 3: Classification not possible from current data.

**Reproductive and Developmental Toxicity** : Ethanol, a component of this material, may cause birth defects and/or miscarriages.

**12. ECOLOGICAL INFORMATION**

Ecotoxicological data have not been determined specifically for this product.

**Acute Toxicity** : Data not available  
**Mobility** : Disperses in water.

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**Persistence/degradability** : Data not available  
**Bioaccumulation** : Data not available  
**Other Adverse Effects** : Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

**13. DISPOSAL CONSIDERATIONS**

**Material Disposal** : Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.  
**Local Legislation** : Disposal should be in accordance with applicable regional, national, and local laws and regulations.

**14. TRANSPORT INFORMATION****US Department of Transportation Classification (49CFR)**

Class / Division Consumer Commodity, ORM-D

**IMDG**

Identification number UN 1950  
 Proper shipping name AEROSOLS  
 Class / Division 2.1  
 Marine pollutant: No

**IATA (Country variations may apply)**

Identification number ID 8000  
 Proper shipping name Consumer Commodity  
 Class / Division 9

**15. REGULATORY INFORMATION**

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

**Federal Regulatory Status****Notification Status**

EINECS All components listed or polymer exempt.  
 TSCA All components listed.

**Comprehensive Environmental Release, Compensation & Liability Act (CERCLA)**

Medo Auto Expressions Ozium Reportable quantity: 214 lbs  
 Glycol-ized Air Sanitizer ()

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Isopropyl alcohol (67-63-0)	Reportable quantity: 100 lbs
Propane (74-98-6)	Reportable quantity: 100 lbs

**SARA Hazard Categories (311/312)**

Immediate (Acute) Health Hazard. Fire Hazard. Sudden Release of Pressure Hazard.

**SARA Toxic Release Inventory (TRI) (313)**

Isopropyl alcohol (67-63-0)	46.74%
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**State Regulatory Status****California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)**

This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**New Jersey Right-To-Know Chemical List**

Isopropyl alcohol (67-63-0)	Listed.
1,1-Difluoroethane (75-37-6)	Listed. Listed.
Propane (74-98-6)	Listed.

**Pennsylvania Right-To-Know Chemical List**

Isopropyl alcohol (67-63-0)	Environmental hazard. Listed.
Propylene glycol (57-55-6)	Listed.
Triethylene glycol (112-27-6)	Listed.
Propane (74-98-6)	Listed.

**16. OTHER INFORMATION**

<b>NFPA Rating (Health, Fire, Reactivity)</b>	: 2, 3, 0
<b>MSDS Version Number</b>	: 2.0
<b>MSDS Effective Date</b>	: 06/28/2010
<b>MSDS Revisions</b>	: A vertical bar ( ) in the left margin indicates an amendment from the previous version.

## Material Safety Data Sheet

- MSDS Regulation** : The content and format of this MSDS is in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
- MSDS Distribution** : The information in this document should be made available to all who may handle the product.
- Disclaimer** : The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product.