

## MATERIAL SAFETY DATA SHEET

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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Product Name: Clean Air Guard or ZefirFresh™  
Product Description: Liquid Spray Air Freshener and Deodorizer  
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### SECTION 2: INGREDIENTS

<u>Ingredient</u>	<u>C.A.S. NO.</u>	<u>PERCENT</u>
Titanium dioxide:	13463-67-7	0.1%~2%
Mixture of plant extracts:		0.05~2%
Fragrances:		0.05~2%
Water (H2O):	7732-18-5	90~95%
Titanium phosphate		0.1~2%
Silver Ions (Ag+):	7440-22-4	0.05~2%

### EXPOSURE LIMITS

	Common Name	NIOSH (TWA)	OSHA	ACGIH (TWA)	Note
Titanium Dioxide (13463-67-7)	Titania	Na	15 mg/m3 (Total dust)	10 mg/m3	
Silver (7440-22-4)	Silver	Na	0.01mg/m3	0.10 mg/m3	

## CACINOGENIC POTENTIAL INFORMATION

Ingredient	NTP Known Carcinogen	IARC Category	Proposition 65	Note
Titanium Dioxide	Na	IARC Category - 3 (Unclassifiable)	Na	NIOSH – Potential occupational carcinogen
Silver	Na	None	Na	

### **SECTION 3: HAZARDS IDENTIFICATION**

Danger: Non-Flammable; no particular risks  
 Risks: This product is believed to pose no particular risks in ordinary use.  
 Classifications: Does not fall within any risk class.

### **SECTION 4: FIRST AID MEASURES**

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed:

**Inhalation:** Remove to fresh air. Get medical attention for any breathing difficulty.

**Eye Contact:** Without rubbing the eyes, flush with large quantities of water, purified if available. Get medical attention if irritation persists.

**Skin Contact:** Wash with soap and flush with generous amounts of water. If necessary, consult a physician.

**If Swallowed:** Not expected to require first aid measures. If large amounts are swallowed, give water to drink and get medical attention. Never give anything by mouth to an unconscious person.

### **SECTION 5: FIRE FIGHTING MEASURES**

#### **5.1 FLAMMABLE PROPERTIES**

Autoignition temperature	Non-flammable
Flash point	Non-flammable
Flammable Limits – LEL	No data available
Flammable Limits – UEL	No data available

#### **5.2 EXTINGUISHING MEDIA AND MEASURES**

Extinguish fires with water and other ordinary methods of extinguishing fire.

In the event of a fire, as with ordinary fires, carry out fire fighting activities from the windward side. When engaged in fire fighting, always wear protective clothing.

Extinguishing media: use any means suitable for extinguishing surrounding fire (e.g., water, carbon dioxide, dry chemicals, dry sand and foam).

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

Observe precautions from other sections. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1 HANDLING**

Use in a well-ventilated area.

Keep containers appropriately sealed.

Wear appropriate protective clothing to keep away from skin, mucous membranes and the eyes.

Minimize exposure to released vapors or concentrations encountered while working with the material.

After working with material, thoroughly wash hands.

### **7.2 STORAGE**

Seal after use and avoid locations with high or low temperatures, direct sunlight or high humidity. Keep container in well-ventilated area. Comply with applicable laws and regulations.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1 ENGINEERING CONTROLS**

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the containment at its source, preventing dispersion of it into the general work area.

### **8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)**

8.2.1. Eye/Face Protection. Avoid eye contact with vapors, mists, or spray. Avoid eye contact. Use chemical safety goggles and/or full face shield where splashing or misting of the solution is possible.

- 8.2.2. Skin Protection. Avoid skin contact. Wear protective gloves and clean body clothing.
- 8.2.3. Respiratory Protection. Avoid breathing of vapors, mists or spray. In the event of direct exposure to face or prolonged exposure, a face mask is recommended.
- 8.2.4. Prevention of Swallowing. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Specific Physical Form:	liquid
Odor, Color, Grade:	weak odor, transparent
Boiling point:	Above 100°C/212°F
Vapor density:	No data
Specific gravity (20°C):	No data
Flash point:	None
Autoignition point:	None
Flammable limits:	None
Combustibility:	No data
Explosiveness:	No data
Reactivity:	No data
Other:	None

## **SECTION 10: STABILITY AND REACTIVITY**

Stability:	This product is considered to be stable under ordinary conditions of use and storage.
Materials to avoid:	This product is not expected to create a hazardous condition with normal and moderate use.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

Irritation (skin, eye):	May irritate skin and mucous membrane
Acute toxicity:	LC50=2,000mg/kg (inhalation, mice) TCL0=400mg/m <sup>3</sup> in 3 hours (inhalation, mice) TCL0=2,000mg/m <sup>3</sup> in 3 hours (inhalation, guinea pig)
Causing genetic mutations:	No information available

## **SECTION 12: ECOLOGICAL INFORMATION**

Care should be taken to avoid release into the environment because unusual concentrations of naturally occurring elements may have an impact on the environment. Nonetheless, it is not expected that the discharge of reasonable quantities of this product into the environment would be detrimental.

## **SECTION 13: DISPOSAL CONSIDERTIONS**

Whatever cannot be saved for recovery or recycling should be entrusted to an authorized industrial waste handler. Avoid releasing waste into the water supply.

Because regulations vary, consult applicable regulations or authorities before disposal.

### **SECTION 14: TRANSPORT INFORMATION**

Take precautions to avoid damage due to turning upside down, dropping or collision and against leakage.

Avoid rough handling that might cause the containers to break.  
This product is not regulated.

### **SECTION 15: REGULATORY INFORMATION**

TSCA: All components of this product are listed on the TSCA 8(b) inventory.

SARA Section 355 (extremely hazardous substances):  
None of the ingredients in this product are listed.

SARA Section 313 (specific toxic chemical listings):  
None of the ingredients in this product are listed.

PROPOSITION 65 Chemicals known to cause cancer:  
None of the ingredients in this product are listed.

PROPOSITION 65 Chemicals known to cause reproductive toxicity:  
None of the ingredients in this product are listed.

Contact Delphi Laboratories for more information.

### **SECTION 16: OTHER INFORMATION**

**DISCLAIMER:** The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. Delphi Laboratories **MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE.** User is responsible for determining whether the Delphi Laboratories product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a Delphi Laboratories product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the Delphi Laboratories product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.