



# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

**Product name** AIR & FABRIC REFRESHER R.T.U.  
**Product use** Liquid Odor Counteractant  
**Product code** 1359  
**Date of issue** 09/16/14 **Supersedes** 11/29/11

### Emergency Telephone Numbers

**For MSDS Information:**  
 Technical Services Group  
 Telephone (780) 453-8100  
 (Business Hours 8:00am - 5:00pm)

**For Medical or Transportation Emergency**  
 CANUTEC (24 Hours)  
 (613) 996-6666 - Call Collect

**Prepared By**  
 Technical Services Group  
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## Section 2. Hazards Identification

### Emergency overview

**WARNING!**

COMBUSTIBLE. CAUSES EYE IRRITATION.

**NOTE:** MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

### Acute Effects

### Routes of Entry

Dermal contact. Eye contact. Inhalation.

- Eyes** Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.
- Skin** May cause skin irritation. Skin inflammation is characterized by itching, scaling, or reddening.
- Inhalation** Avoid breathing vapors, spray or mists. Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system (CNS) depression.
- Ingestion** May be harmful if swallowed. Can cause gastrointestinal disturbances.

### Chronic effects

Prolonged or repeated contact may dry skin and cause irritation. Contains material which may cause damage to the following organs: kidneys, liver, central nervous system (CNS).

**Additional Information:** See Toxicological Information (Section 11)

## Section 3. Composition/Information on Ingredients

<u>Name of Hazardous Ingredients</u>	<u>CAS number</u>	<u>% by Weight</u>
ETHANOL; ethyl alcohol; grain alcohol	64-17-5	5 - 10

## Section 4. First Aid Measures

- Eye Contact** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
- Skin Contact** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.
- Inhalation** Move exposed person to fresh air. If irritation persists, get medical attention.
- Ingestion** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. If affected person is conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

## Section 5. Fire Fighting Measures

- Flash Point** Closed cup: 47.77°C (118°F)  
[Tagliabue.]
- Flammable Limits** Not determined.
- Flammability** COMBUSTIBLE.
- Auto-ignition Temperature**
- Fire-Fighting Procedures** Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Fire hazard** COMBUSTIBLE LIQUID AND VAPOR. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.

**Products of Combustion** Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

### Explosion hazard

## Section 6. Accidental Release Measures

**Spill Clean up** Eliminate all ignition sources. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment.

## Section 7. Handling and Storage

**Handling** Put on appropriate personal protective equipment (see section 8). Store and use away from heat, sparks, open flame or any other ignition source. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Do not ingest. Empty containers retain product residue and can be hazardous. Do not reuse container. Wash thoroughly after handling. Apply this product only as specified on the label.

**Storage** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Keep out of the reach of children.

## Section 8. Exposure Controls/Personal Protection

### Product name

ethanol

### Exposure limits

CA Alberta Provincial (Canada, 4/2009).

8 hrs OEL: 1000 ppm 8 hour(s).

8 hrs OEL: 1880 mg/m<sup>3</sup> 8 hour(s).

CA Quebec Provincial (Canada, 6/2008).

TWAEV: 1000 ppm 8 hour(s).

TWAEV: 1880 mg/m<sup>3</sup> 8 hour(s).

CA British Columbia Provincial (Canada, 9/2010).

STEL: 1000 ppm 15 minute(s).

CA Ontario Provincial (Canada, 7/2010).

STEL: 1000 ppm 15 minute(s).

### Personal Protective Equipment (PPE)

#### Eyes

Safety glasses.



#### Hands and Body

Recommended: Neoprene gloves. Nitrile gloves. Rubber gloves.

#### Respiratory

Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of below established levels. Wear appropriate respirator when ventilation is inadequate.

## Section 9. Physical and Chemical Properties

**Physical State** Liquid. [Thin liquid]

**pH** 5 to 7

**Boiling Point** 100°C (212°F)

**Specific Gravity** 0.992

**Solubility** Soluble in the following materials: cold water and hot water.

**Color** Clear.Colorless.

**Odor** Pleasant. [Strong]

**Vapor Pressure** Not determined

**Vapor Density** Not determined.

**Evaporation Rate** 1 (Water = 1)

#### Freezing Point

**VOC (Consumer)** 100.7 g/l (9.99%; 0.84 lb/gal.)

## Section 10. Stability and Reactivity

### Stability and Reactivity

The product is stable.

### Incompatibility

Keep away from heat, sparks and flame. Reactive or incompatible with the following materials: oxidizing materials.

### Hazardous Polymerization

Under normal conditions of storage and use, hazardous polymerization will not occur.

### Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Section 11. Toxicological Information**

**Carcinogenicity** No known significant effects or critical hazards.

**Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
ethanol	LC50 Inhalation Vapor LD50 Oral	Rat Rat	20000 mg/m <sup>3</sup> 7 g/kg	

**Section 12. Ecological Information**

**Environmental Effects** No known significant effects or critical hazards.

**Aquatic Ecotoxicity**

Product/ingredient name	Test	Result	Species	Exposure
ethanol	-	Acute EC50 17.921 mg/L Marine water	Algae - Green algae - Ulva pertusa	96 hours
	-	Acute EC50 2000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
	-	Acute LC50 25500 ug/L Marine water	Crustaceans - Brine shrimp - Artemia franchiscana - Larvae	48 hours
	-	Acute LC50 42000 ug/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss	4 days
	-	Chronic NOEC 0.375 ul/L Fresh water	Fish - Eastern mosquitofish - Gambusia holbrooki - Larvae - 3 days	12 weeks

**Section 13. Disposal Considerations****Waste Information**

Waste must be disposed of in accordance with applicable regulations. Consult your local or regional authorities for additional information.

**Waste Stream** Code: -  
Classification: - [Non-hazardous waste]  
Origin: -RCRA waste.

**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
<b>TDG Classification</b>	Not regulated.					
<b>IMDG Class</b>	Not determined.					

**NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment. Limited Quantity: Small quantities of controlled goods are not regulated as Dangerous Goods according to TDG regulations.**

PG\* : Packing group

**Section 15. Regulatory Information****Canada****WHMIS (Canada)**

Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).  
Class D-2B: Material causing other toxic effects (Toxic).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.  
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*