



# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

**Product name** AIR FAIR SMOKE SCREEN  
**Product use** Liquid Odor Counteractant  
**Product code** 1651  
**Date of issue** 04/09/14 **Supersedes** 04/27/11

### 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**  
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## Section 2. Hazards Identification

### Emergency overview

**WARNING!**

**COMBUSTIBLE.**

Keep away from heat, sparks and flame. May cause eye irritation. Do not breathe vapor or mist. Avoid contact with skin and clothing.

**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**      Eye contact. Inhalation.

**Eyes**      May cause eye irritation. Liquid in eye may cause irritation with possible damage if not rinsed immediately. 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 direct inhalation of spray. Over-exposure by inhalation may cause respiratory irritation. Exposure to high concentrations can cause dizziness, lightheadness, headache, nausea, and blurred vision. Higher levels may cause unconsciousness.

**Ingestion**      May be harmful if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage.

**Chronic effects**      Contains material which may cause damage to the following organs: blood, the nervous system, the reproductive system, liver, upper respiratory tract, skin, eyes, 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 occurs.

**Inhalation**      Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

**Ingestion** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Aspiration hazard if swallowed. Can enter lungs and cause damage. If vomiting occurs, keep head lower than hips to help prevent aspiration. Get medical attention immediately.

### Section 5. Fire Fighting Measures

**Flash Point** Closed cup: 40°C (104°F)  
[Tagliabue.] [Product does not sustain combustion.]

**Flammable Limits** Lower: 2%  
Upper: 12%

**Flammability** COMBUSTIBLE.

**Auto-ignition Temperature**

**Fire-Fighting Procedures** Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam. Fire-fighters should wear appropriate protective equipment.

**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. Runoff to sewer may create fire or explosion hazard. 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** Not available.

### Section 6. Accidental Release Measures

**Spill Clean up** Eliminate all ignition sources. Put on appropriate personal protective equipment (see Section 8). 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. Dispose of via a licensed waste disposal contractor.

### 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 reuse container. Observe label precautions. Wash thoroughly after handling.

**Storage** Store in a segregated and approved area. 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. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Eliminate all ignition sources. Keep container tightly closed and sealed until ready for use. 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 hours.  
8 hrs OEL: 1880 mg/m<sup>3</sup> 8 hours.  
CA Quebec Provincial (Canada, 12/2012).  
TWA-EV: 1000 ppm 8 hours.  
TWA-EV: 1880 mg/m<sup>3</sup> 8 hours.  
CA British Columbia Provincial (Canada, 4/2012).  
STEL: 1000 ppm 15 minutes.  
CA Ontario Provincial (Canada, 1/2013).  
STEL: 1000 ppm 15 minutes.

#### Personal Protective Equipment (PPE)

**Eyes** Safety glasses. 

**Hands and Body** Wear appropriate protective clothing to prevent skin contact. Recommended: Neoprene gloves. Nitrile gloves. Rubber gloves.

**Respiratory** Avoid direct inhalation of spray. Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.



**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid.	<b>Color</b>	Clear. Colorless.
<b>pH</b>	5.0-6.0	<b>Odor</b>	Pleasant. [Strong]
<b>Boiling Point</b>	87.8°C (190°F)	<b>Vapor Pressure</b>	Not determined.
<b>Specific Gravity</b>	0.98	<b>Vapor Density</b>	Not determined.
<b>Solubility</b>	Easily soluble in the following materials: cold water and hot water.	<b>Evaporation Rate</b>	1 (Water = 1)
<b>Freezing Point</b>		<b>VOC (Consumer)</b>	7.5% 0.61 (lb/gal) 74 (g/l).

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Avoid contact with strong oxidizers, excessive heat, sparks or open flame.
<b>Hazardous Polymerization</b>	Under normal conditions of storage and use, hazardous polymerization will not occur.
<b>Hazardous Decomposition Products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Section 11. Toxicological Information**

**Carcinogenicity** Not available.

**Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
ethanol	LC50 Inhalation Vapor	Rat	124700 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	>20000 mg/kg	-
	LD50 Oral	Rat	7 g/kg	-

**Mutagenicity**

**Conclusion/Summary** : Not available.

**Teratogenicity**

**Conclusion/Summary** : Not available.

**Reproductive toxicity**

**Conclusion/Summary** : Not available.

**Section 12. Ecological Information**

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

**Aquatic Ecotoxicity**

ethanol	-	Acute EC50 17.921 mg/l Marine water	Algae - Green algae - Ulva pertusa	96 hours
	-	Acute EC50 2000 µg/l Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
	-	Acute LC50 25500 µg/l Marine water	Crustaceans - San Francisco Brine Shrimp - Artemia franciscana - Larvae	48 hours
	-	Acute LC50 42000 µg/l Fresh water	Fish - Rainbow trout, donaldson trout - Oncorhynchus mykiss	4 days
	-	Chronic NOEC 4.995 mg/l Marine water	Algae - Green algae - Ulva pertusa	96 hours
	-	Chronic NOEC 0.375 µl/l Fresh water	Fish - Eastern mosquitofish - Gambusia holbrooki - Larvae	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: - (Not applicable.)  
Classification: - (Non-hazardous 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 available.	Not available.	Not available.	-		-

**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.*