



# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

**Product name** ZEPYNAMIC A COUNTRY GARDEN  
**Product use** Aerosol. Disinfectant.  
**Product code** 0110  
**Date of issue** 02/11/11 **Supersedes** 04/01/08

### 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  
11627 178th Street  
Edmonton, Alberta T5S 1N6

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## Section 2. Hazards Identification

### Emergency overview

**WARNING**

**FLAMMABLE.**

Flammable aerosol. Do not breathe vapor or mist. Avoid contact with skin and clothing.  
Contains material that may cause target organ damage, based on animal data.

**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. Prolonged or repeated contact may dry skin and cause irritation. Skin inflammation is characterized by itching, scaling, or reddening.

**Inhalation** Harmful by inhalation. Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system (CNS) depression.

**Ingestion** Harmful if swallowed.

### Chronic effects

Contains material which may cause damage to the following organs: kidneys, liver, central nervous system (CNS).

Inhalation of spray mists or vapors may cause central nervous system depression characterized by headache, dizziness, nausea, stupor, weakness and/or numbness and tingling in the extremities (medical term - peripheral neuropathy).

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

## Section 3. Composition/Information on Ingredients

### Name of Hazardous Ingredients

ETHANOL; ethyl alcohol; grain alcohol

### CAS number

64-17-5

### % by Weight

40 - 70

HYDROCARBON PROPELLANT; blend of propane & n-butane

74-98-6; 106-97-8

10 - 30

## Section 4. First Aid Measures

**Eye Contact** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

**Skin Contact** Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**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. Get medical attention if adverse health effects persist or are severe.

**Ingestion** If affected person is conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe.

**Section 5. Fire Fighting Measures**

<b>Flash Point</b>	Open cup: 20°C (68°F).
<b>Flammable Limits</b>	Not available.
<b>Flammability</b>	FLAMMABLE. (CSMA)
<b>Auto-ignition Temperature</b>	Not determined.
<b>Fire-Fighting Procedures</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Use dry chemical or CO <sub>2</sub> .
<b>Fire hazard</b>	Flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Runoff to sewer may create fire or explosion hazard.
<b>Products of Combustion</b>	carbon oxides (CO, CO <sub>2</sub> ) and other unidentified organic compounds
<b>Explosion hazard</b>	Not available.

**Section 6. Accidental Release Measures**

<b>Spill Clean up</b>	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.
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**Section 7. Handling and Storage**

<b>Handling</b>	Put on appropriate personal protective equipment (see section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Store and use away from heat, sparks, open flame or any other ignition source. Use non-sparking tools. Wash thoroughly after handling.
<b>Storage</b>	CONTENTS UNDER PRESSURE. Do not store above the following temperature: 49°C (120.2°F). Store in a segregated and approved area. Do not puncture or incinerate container. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Keep out of the reach of children.

**Section 8. Exposure Controls/Personal Protection****Product name**

Ethanol

Propellant; Blend of Isobutane, Propane and n-Butane

**Exposure limits**

ACGIH TLV / OSHA PEL (United States).

TWA: 1000 ppm 8 hour(s).

ACGIH TLV / OSHA PEL (United States). Notes: Propane

TWA: 1000 ppm 8 hour(s).

**Personal Protective Equipment (PPE)**

<b>Eyes</b>	Recommended: Safety glasses.
<b>Hands and Body</b>	Recommended: For prolonged or repeated handling, use Neoprene gloves. Nitrile gloves. Rubber gloves.
<b>Respiratory</b>	Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. A respirator is not needed under normal and intended conditions of product use.

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid. [Aerosol.]	<b>Color</b>	Clear. Colorless to light yellow.
<b>pH</b>	Not available.	<b>Odor</b>	Floral. Pleasant.
<b>Boiling Point</b>	73.88°C (165°F)	<b>Vapor Pressure</b>	5.9 kPa (44 mm Hg)
<b>Specific Gravity</b>	0.83	<b>Vapor Density</b>	1 [Air = 1]
<b>Solubility</b>	Easily soluble in the following materials: cold water and hot water.	<b>Evaporation Rate</b>	>1 (butyl acetate = 1)
<b>Freezing Point</b>		<b>VOC (Consumer)</b>	606.51 (g/l). 5.06 lbs/gal 73.2%

**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**

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. Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

**Acute Toxicity**

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

**Section 12. Ecological Information****Environmental Effects**

No known significant effects or critical hazards.

**Aquatic Ecotoxicity**

Not available.

**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: D001

Classification: - [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>	1950	Aerosols, flammable	2.1	-		<u>Explosive Limit and Limited Quantity Index</u> 1
<b>IMDG Class</b>						-

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 A: Compressed gas.

Class B-5: Flammable aerosol.

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.