

## Material Safety Data Sheet

### 1. IDENTIFICATION OF MATERIAL AND SUPPLIER

PRODUCT NAME: **Gardenia Air**

Synonyms: None **Freshener**

Recommended Use: Air freshener

Supplier: Genesis Industrial Pty Ltd

Address: 6 Ginger Street, Paget Qld 4740

Telephone: (07) 49 522833

Emergency telephone number: 0424 785349

### 2. HAZARDS IDENTIFICATION

This product is classified as:

Hazardous Substance according to criteria of the National Occupational Health and Safety Commission (NOHSC).

Dangerous Goods according to the Australian Dangerous Goods Code (ADG Code).

Approved Criteria Classification (Calculated).	FLAMMABLE R10, HARMFUL (Xn) R 20/22 R36/37 Safety Phrases S1/2, S38/39
SUSDP Classification	Not Scheduled
ADG Classification	Class 3 (Flammable Liquid.)
Un Number	1170 (Ethanol Solution)

## EMERGENCY OVERVIEW

COLOUR	Yellow
PHYSICAL DESCRIPTION	Liquid
ODOUR	Various
MAJOR HEALTH HAZARD	Flammable. Harmful by inhalation. Harmful if swallowed.

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### POTENTIAL HEALTH EFFECTS

**Inhalation:** Short term exposure. Vapour is irritating to nose and throat and may cause nausea, vomiting, difficulty breathing, headache, drowsiness, symptoms of drunkenness, and lung congestion. Long term Exposure. Possible lung and respiratory tract damage. May trigger pre-existing respiratory complaints. Repeated overexposure may cause progressive and potentially irreversible damage to the peripheral nervous system, particularly in arms and legs.

**Skin Contact:** Short term exposure. May cause defatting and drying of Skin Long term exposure. Prolonged use may cause irritation, redness and dermatitis.

#### Eye Contact:

Short term exposure. Will cause irritation but will not injure eye tissue.

Long-term exposure. Not know.

**Ingestion:** Short term exposure. Headaches, nausea, and severe abdominal pain may result.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL ENTITY	CAS No	PROPORTION W/W %
Ethanol	64-17-5	40-50%
Fragrance Complex mixture		5-10%
Other ingredients determined not to be hazardous		to 100%

### 4. FIRST AID MEASURES

Poison Information Centres in each State capital city can provide additional assistance for Scheduled Poisons: Phone (Australia 13 1126).

**Inhalation:** Remove victim from exposure. Remove contaminated clothing and loosen remaining clothing. Perform artificial respiration if needed. Allow patient to assume most comfortable position and keep warm. Seek medical attention.

**Skin Contact:** Remove contaminated clothing. Wash contaminated skin for at least 15-20mins with of water, or until no evidence of the chemical remains. If swelling, redness, blistering, or irritation occurs seek medical advice. Wash clothing before re-use.

**Eye Contact:** Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. If present, remove contact lenses. Seek medical attention.

**Ingestion:** Immediately rinse mouth with water. Do NOT induce vomiting. Seek urgent medical attention.

Notes to Physician: Treat symptomatically.

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### 5. FIRE FIGHTING MEASURES

Flash Point: 38°C

Specific Hazards: Sealed containers may explode in a large fire.

Fire Fighting: Move containers from fire area if it can be done without risk. Cover exposed liquid with foam. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Suitable Extinguishing Media: Use foam, CO<sub>2</sub> or dry chemical powder to extinguish surrounding fire.

Hazardous Decomposition in Products: On burning may emit fumes including carbon monoxide, carbon dioxide, and partially burned hydrocarbons. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

Hazchem Code: 3[Y]E

### 6. ACCIDENTAL RELEASE MEASURES

Flammable liquid. Remove all ignition sources. Stop leak if possible without personal risk. Wear protective equipment to prevent personal injury (see section 8). Small spills (< 5L) Remove all ignition sources. Cover with an absorbent material (soil, sand or other inert material). Collect and seal in properly labelled containers for disposal.

Hose down area with large amounts of dilute detergent. Caution, Slip Hazard. Large spills (> 5L) Remove all ignition sources. Consider evacuation of area. Prevent run off into drains and waterways. Dam material. Cover with foam to prevent ignition then apply absorbent material. Collect and seal in properly labelled containers for disposal. Hose down area with large amounts of dilute detergent. Keep unnecessary people away, isolate hazard area and deny entry. If contamination of sewers or waterways has occurred, advise local emergency services.

### 7. HANDLING AND STORAGE

Store in a well-ventilated area away from heat and ignition sources. Store in a cool, dry place and out of direct sunlight. Store away from foodstuffs, strong oxidizing agents, and strong acids. Store in original containers. Do not store large quantities in plastic containers. Keep containers closed when not in use – check regularly for leaks. This material is a Class 3 Flammable liquid and must be stored, maintained and used in accordance with the relevant regulations. Handle using good industrial hygiene practices (see section 8 on personal protection).

### 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Limits: No value has been assigned for this specific material by NOHSC. However exposure limits for ingredients are shown below

Ingredient	TWA	STEL	Notices
Ethanol	1000ppm		

TWA – the Time-Weighted Average airborne concentrations over an eight hour working day, for a five day week over an entire working life.

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STEL (Short Term Exposure Limit) – the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight hour work day. According to current knowledge, these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers.

Skin Notice – absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

Biological Limit Value: No biological limit allocated.

Engineering Controls: Use only in well ventilated areas. Exhaust ventilation may be required to prevent build-up of flammable vapours and to maintain air concentrations below Exposure Standards. Flameproof equipment is necessary

in any area where product is being used. Product transfer and storage equipment must be earthed. Keep containers closed when not in use.

### Personal Protection Equipment

Respirator Type (AS 1716): If inhalation risk exists, wear organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

Eye Protection: Safety glasses with side shields or goggles should be worn as described in Australian Standard AS/NZS 1337 – Eye Protectors for Industrial Applications.

Glove Type: Impervious PVC or rubber gloves should be worn.

Clothing: Suitable protective clothing should be worn eg: cotton overalls buttoned at neck and wrist.

Work/Hygienic Practices: Always wash hands before smoking, eating, drinking or using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Water Solubility	Partially Soluble
Colour	Yellow	Vapour Pressure	17.5 mm Hg
Odour	Floral	Vapour Density	Above 1 (air = 1)
Boiling Point	Unknown	Evaporation Rate	Same as butyl acetate
Melting Point	NA	% Volatiles	100%
Freezing Point	NA	Flash Point	18°C
Specific Gravity	0.88g/ml (water = 1)	Flammability Limits	LEL 3.5 %- UEL 19 %
Ph (neat)	NA	Ignition Temperature	392°C

## 10. STABILITY AND REACTIVITY

Reactivity: Stable at normal temperatures and pressure.

Conditions to Avoid: Avoid contact with incompatible materials.

Incompatibilities: Strong Oxidising Agents, Strong Acids  
Explosive reactions may occur with strong oxidising agents.

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## 11. TOXICOLOGICAL INFORMATION

Local Effects: Harmful by inhalation and ingestion. Irritation to eyes and respiratory tract. Target Organs: Lungs, Blood, CNS, and Kidneys and Liver.

### Classification of Hazardous Ingredients

Ingredients	R Phrases
Ethanol	R20/22 R36/38

### Individual Ingredient Information

#### Ethanol

Irritation Data: Eye rabbit, 500mg, severe; eye rabbit, 500mg/24hrs, mild; skin rabbit, 400mg open irritation test, mild; skin rabbit, 20mg/24hr, moderate.

Toxicity Data: Oral, human infant, lowest published toxic effect 11,712 uL/Kg (General aesthetic, arrhythmias, dyspnea). Oral, human child, lowest published toxic effect 14,400mg/Kg/30mins-intermittent (Coma, Dyspnea, Nausea). Oral, human adult, lowest published toxic effect 3,371uL/Kg (sleep pattern, excitement, coma)

Local Effects: Irritation eyes, nose, skin; headache, dizziness, drowsiness, lassitude, narcosis; cough; liver damage; amenia; reproductive, teratogenic effects.

Acute Toxicity Level: Oral adult human, lowest published lethal dose 1400mg/kg. Oral child, lowest published lethal dose 2gm/Kg

Target Organs: Respiratory System, Central Nervous System, liver, blood, reproductive system, eyes, & skin.

Mutagenic Data: Cytogenic analysis: human lymphocyte, 1160gm/L; human fibroblast, 12000ppm

Tumorigenic Data: Oral Mouse, lowest published toxic dose: 320mg/Kg/50weeks-intermittent; liver tumors & lymphoma including Hodgkin's disease.

Reproduction Effects Data: Oral, Monkey, lowest published toxic dose: 32400mg/Kg (Feto-toxicity, stunted growth, CNS disorders, developmental abnormalities). Oral, woman, lowest published toxic dose: 41gm/Kg (Apgar score, drug dependence)

## 12. ECOLOGICAL INFORMATION

General Statement: It is expected that this product will have adverse ecological effects. It is recommended that caution be taken to avoid discharge to waterways, grasslands and other areas with local fauna and flora.

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Ecotoxicity: No specific information available for this product however it is expected that this product is toxic to aquatic life and continuous exposure is likely to result in adverse effects in these organisms.

Persistence and Degradability: No specific information available for this product, however it is expected that this product will not persist in the environment and will rapidly degrade.

Mobility: No specific information available for this product.

### 13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority for disposal, show this MSDS for their consideration. Empty containers not to be recycled or used for any other purpose. Dispose in accordance with local regulations.

### 14. TRANSPORTATION INFORMATION

UN No	1170
Proper Shipping Name	Ethanol Solution.
ADG Code	Class 3
Sub Risk	None
Packing Group	II
Special Precautions	None
Hazchem Code	3[Y]E
EPG	3A1
Segregations	Yes

### 15. REGULATORY INFORMATION

SUSDP: Not scheduled

AICS: All of the constituents of this material are listed on the ACIS.

### 16. OTHER INFORMATION

Issue Date: March 2014

Reason(s) For Issue: Updated format to comply with NOHSC: 2011(2003).

#### Labelling Details

First line of Label must read: CAUTION Flammable Liquid

Other statements to include

R10 Flammable Liquid

R20/22 Harmful by inhalation, and if swallowed

R36/37 Irritating to eyes and respiratory system

S1/2 Keep locked up and out of reach of children.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label wherever possible).

## Material Safety Data Sheet

### Disclaimer

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product and in particular how to safely handle and use the product in the workplace.

Genesis Industrial Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace i.e. a risk analysis.

If clarification or further information is needed to ensure that an appropriate assessment can be made.