

# MATERIAL SAFETY DATA SHEET

## Section 1: IDENTIFICATION

### FLOROGEN



**Recommended Use:** Concentrated air-freshener for odour control.  
**Product Code:** 060094 (12x500mL), 060036 (2x5L), 060035 (15L).

#### Whiteley Medical

A division of Whiteley Corporation Pty Ltd (A.C.N. 000 906 678)  
 Postal Address: P. O. Box 1076 North Sydney NSW 2059  
 Telephone Number: (02) 9929 9155 Facsimile: (02) 9929 9077  
 Emergency Telephone Number: Poisons Information Centre (National) 131126

## Section 2: HAZARDS

Classified as hazardous by the criteria of NOHSC.

- R20/22: Harmful by inhalation and if swallowed.
- R36/38: Irritating to eyes and skin.
- S23: Do not breathe vapour.
- S24/25: Avoid contact with skin and eyes.
- S33: Take precautionary measures against static discharge.
- S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

## Section 3: COMPOSITION INFORMATION

Ingredient	CAS No	Proportion
Ingredients deemed not to be hazardous	Not applicable	To 100%
Ethanol	64-17-5	30-60%

## Section 4: FIRST AID

- Eye (Contact)** Hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
- Skin (Contact)** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a doctor.
- Inhalation(Breathing)** If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
- Ingestion (Swallowing)** DO NOT induce vomiting. For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.
- Advice to Doctor** Treat symptomatically.
- First Aid Facilities** Ensure an eye wash is available and ready for use

**Additional Information** No aggravated medical conditions are known to be caused by exposure to this product.

### Section 5: FIREFIGHTING MEASURE

**Suitable Extinguishing Media** Use dry chemical, carbon dioxide, alcohol stable foam, fine water spray or fog type extinguishers.

**Hazards From Combustion Products** Carbon monoxide and/or carbon dioxide may be produced.

**Precautions For Fire Fighters and Special Protective Equipment** Firefighters should wear self-contained breathing apparatus (SCBA) and complete protective clothing. Vapours are heavier than air and will 'travel' to low-level areas and/or spread fires. Remove containers from path of fire if safe to do so. Water may be used to cool exposed containers. Burns with a colourless flame.

**Additional Information** Hazchem Code – 3[Y]

### Section 6: ACCIDENTAL RELEASE MEASURES

**Emergency Procedure** SAA/SNZ HB76: Dangerous Goods – Initial Emergency Response Guide - 14. Eliminate all sources of ignition. Ventilate area thoroughly and wear a suitable respirator if necessary to minimise inhalation. Wear suitable personal protective equipment such as protective gloves to prevent skin contact.

**Spills / Clean up** Eliminate all sources of ignition. Stop leak if safe to do so. Prevent spill entering waterways. For larger spills (greater than 1L) – contain spill by placing inert, non-combustible absorbent material such as toweling, vermiculite, sand or dirt onto spill. For small spills (less than 1L) – can be wiped up using clean rags. Collect material using non-sparking tools and place into a suitable container for disposal according to local regulations. Clean area by working from the periphery to the centre of spill or from the edge of the room to the centre.

### Section 7: HANDLING AND STORAGE

**Precautions for Safe Handling** Contact Whiteley Corporation sales representative for advice when using this product for any application other than that outlined on the label or technical bulletin. Any non-intended or non-authorized use of this product may result in personal injury or damage to equipment and goods. Store product in original container. Wash thoroughly after handling product.

**Conditions for Safe Storage** Store as Class 3 Flammable Liquid in accordance with Australian Standard 1940, The storage and handling of flammable and combustible liquids. Store in a cool, dry, well ventilated area away from sources of ignition. Store away from heat, naked flames or sparks. Keep container tightly sealed and store away from incompatible materials.

### Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

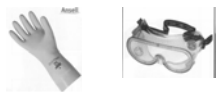
**National Exposure Standards** – Source: National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003].

<u>Ingredient</u>	<u>CAS No</u>	<u>ES-TWA</u>	<u>ES-STEL</u>
Ethanol	64-17-5	1000ppm 1880mg/m <sup>3</sup>	Not available

**Biological Limit Values** Not known.

**Engineering Controls** When used in confined spaces respiratory protection may be required to keep concentrations below exposure standard limits, see Personal Protective Equipment.

**Personal Protective Equipment**



Eye/face protection – Safety glasses or chemical resistant goggles is recommended to prevent eye contact whenever handling chemicals.

Skin protection – Not normally required. However should any discomfort occur, use suitable protective clothing, such as impervious gloves, apron, face shield and chemical resistant boots to prevent skin contact.

Respiratory protection – Not normally required. If necessary, use an approved respirator with organic vapour filters.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b> Clear green liquid	<b>Boiling Point</b> less than 100°C
<b>Odour</b> Ethanol	<b>Freezing Point</b> less than 0°C
<b>pH</b> 6.6 - 7.6	<b>Solubility</b> Soluble in water.
<b>Specific Gravity</b> 0.91	<b>Flash Point</b> 26°C – <b>Method:</b> ASTM D6450
<b>Vapour Pressure</b> Not Available.	<b>Upper and Lower Flammability limits (in air)</b> Not Available.
<b>Vapour Density</b> Not Available.	<b>Ignition Temperature</b> Not Available.

### Section 10: STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal ambient storage conditions.
<b>Conditions to avoid</b>	Avoid high temperatures (store below 30°C). Protect against physical damage.
<b>Incompatible materials</b>	Incompatible with strong oxidising agents.
<b>Hazardous decomposition products</b>	Not known.
<b>Hazardous reactions</b>	Not known.

### Section 11: TOXICOLOGICAL INFORMATION

#### HEALTH EFFECTS

<b>Acute Swallowed</b>	Considered an unlikely route of entry in commercial / industrial environments. May cause nausea and vomiting. Aspiration may cause lung damage.
<b>Eye</b>	Liquid may cause severe eye irritation and damage. Mist may cause irritation.

**Skin** Slight irritation and reddening may occur.  
**Inhaled** Vapour or mists may be irritating to respiratory system. May cause headache and nausea.

**Chronic**  
**Swallowed** None known.  
**Eye** None known.  
**Skin** None known.  
**Inhalation** None known.

**TOXICITY DATA**

Ethanol LD<sub>50</sub> 7060mg/kg (oral, rat) RTECS KQ6300000

**Section 12: ECOLOGICAL INFORMATION**

**Ecotoxicity** Not known.

**Persistence and degradability** Not known.

**Mobility** Not known.

**Section 13: DISPOSAL CONSIDERATIONS**

**Disposal method** Refer to State/Territory Land Waste Management Authority. Dispose of material through a licensed waste contractor. Rinse empty containers thoroughly before disposing to an authorised landfill.

**Special precautions** None known.

**Section 14: TRANSPORT INFORMATION**

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code).

**UN Number** 1993  
**UN Proper Shipping Name** FLAMMABLE LIQUID, N.O.S.  
**Class and subsidiary risk** 3 – Flammable  
**Packing Group** 3  
**Special precautions for user** None known  
**Hazchem Code** 3[Y]

**Section 15: REGULATORY INFORMATION**

Poisons Schedule (SUSDP): Schedule 5 – CAUTION.

All ingredients are listed in the Australia Inventory of Chemical Substances (AICS).

**Section 16: OTHER INFORMATION**

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**Date of preparation:** 3 March, 2005

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