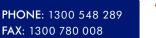
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## **SAFETY DATA SHEET**

#### Product Code: CCC15155

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SECTION 1 PRODUCT IDENTIFICATION

Product Name:	Air Wick Air Freshener
Product Type:	Air care, instant action (aerosol sprays)
Supplier:	Livingstone International
Address:	106 Epsom Road, Rosebery, NSW, 2018
Telephone:	+61 2 9313 6111
Website:	www.livingstone.com.au
Emergency Phone Number:	1800 201 700
Poisons Information Centre:	Australia: Phone 131 126 New Zealand: 0800 764 766 or 0800 POISON

SECTION 2 HAZARD IDENTIFICATION

#### Statement of Hazardous Nature

This product is classified as: F+; R12. Extremely flammable. Hazardous according to the criteria of SWA. Dangerous according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

Flammable aerosols Category 1

Gases under pressure - Compressed gas

Pictogram(s):

**GHS Signal Word:** 



DANGER

	Flame
Hazard Statements:	H222: Extremely flammable aerosol H280: Contains gas under pressure; may explode if heated
Precautionary Statements - Prevention:	P102: Keep out of reach of children P101: If medical advice is needed, have product container or label at hand P251: Pressurized container: Do not pierce or burn, even after use P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P211: Do not spray on an open flame or other ignition source
Precautionary Statements - Response:	P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P372: Explosion risk in case of fire P370+P378: In case of fire, use carbon dioxide, dry chemical, foam, water fog. Water fog or fine spray is the preferred medium for large fires
Precautionary Statements - Storage:	P402: Store in a dry place P410+P412: Store below 30°C, protect from direct sunlight and do not expose to temperatures exceeding 50°C
Precautionary Statements - Disposal:	P501: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service
Major Health Hazards:	None Pressurised container: protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition – No smoking. Keep out of the reach of children.

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#### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

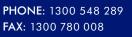
Ingredients	CAS-No.	Conc, %
Butane	106-97-8	10 - 15
Propane	74-98-6	2.5 - 5
Isobutane	75-28-5	2.5 - 5
Disodium tetraborate decahydrate	1303-96-4	0.25 – 1
Other non-hazardous ingredients		to 100

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

SECTION 4 FIRST AID MEASURES		
General Information:	You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.	
Inhalation Exposure:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.	
Skin Exposure:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.	
Eye Exposure:	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.	
Ingestion Exposure:	Wash out mouth with water. Remove dentures if any. Move to fresh air. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. 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. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.	
Protection of First-Aiders:	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.	
Most Important Symptoms and Effects, Both Acute and Delayed		
Potential Acute Health Effects		
Inhalation:	No known significant effects or critical hazards	
Ingestion:	No known significant effects or critical hazards	
Skin Contact:	No known significant effects or critical hazards	
Eye Contact:	No known significant effects or critical hazards	

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Over Exposure Signs/Symptoms

over-exposure signs/ symptoms	
Inhalation:	Adverse symptoms may include the following: respiratory tract irritation, coughing
Ingestion:	No specific data
Skin Contact:	No specific data
Eye Contact:	Adverse symptoms may include the following: irritation and redness

#### Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to Physician:

Treat symptomatically

#### SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable Extinguishing Media:	None known
Hazards from the Substance or Mixture:	Extremely 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.
Hazardous Thermal Decomposition Products:	Decomposition products may include carbon monoxide, carbon dioxide.
Special Protective Actions for Fire-Fighters:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special Protective Equipment for Fire-Fighters:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

#### (SECTION 6) ACCIDENTAL RELEASE MEASURES

#### **Personal Precautions, Protective Equipment and Emergency Procedures**

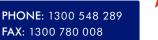
For Non-Emergency Personnel:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.	
For Emergency Responders:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".	
Environmental Precautions:	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).	
Methods and Material for Containment and Cleaning Up		

Small Spill:

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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.

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Large Spill:	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.
Reference to Other Sections:	See Section 1 for emergency contact information See Section 8 for information on appropriate personal protective equipment See Section 13 for additional waste treatment information
	SECTION 7 HANDLING AND STORAGE
Precautions for Safe Handling	
Protective Measures:	Put on appropriate personal protective equipment (see Section 8). Pressurised container: protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.
Advice on General Occupational Hygiene:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for Safe Storage, Includi	ing any Incompatibilities
Storage:	Do not store above the following temperature: 50°C. Store in accordance with local regulations. 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. Use appropriate containment to avoid environmental contamination.

#### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

The following Australian Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501** set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits	TWA (mg/m³)	STEL (mg/m³)
Butane	1900	not set
Disodium tetraborate decahydrate	5	not set

Recommended Monitoring<br/>Procedures:If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological<br/>monitoring may be required to determine the effectiveness of the ventilation or other control measures<br/>and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring<br/>standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for<br/>the assessment of exposure by inhalation to chemical agents for comparison with limit values and<br/>measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application<br/>and use of procedures for the assessment of exposure to chemical and biological agents) European<br/>Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures<br/>for the measurement of chemical agents) Reference to national guidance documents for the<br/>determination of hazardous substances will also be required.

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Appropriate Engineering Controls:	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion proof ventilation equipment.
Individual Protection Measures	
Hygiene Measures:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/Face Protection:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Hand Protection:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body Protection:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
Other Skin Protection:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory Protection:	Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental Exposure Controls:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

Physical Description & Colour:	Colourless liquid (aerosol)
Odour:	Characteristic fragrance
pH:	No data
Freezing/Melting Point:	No specific data
Boiling Point (°C):	<34C
Volatiles:	No data
Vapour Pressure:	700-790 kPa at 50°C.
Vapour Density:	Not applicable
Relative Density:	0.827 at 25°C
Water Solubility:	No data
Volatility:	No data
Odour Threshold:	No data

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Evaporation Rate:	Not applicable
Coeff Oil/Water Distribution:	No data
Viscosity:	Not applicable
Autoignition Temperature:	No data
Flash Point:	Closed cup: <0°C
Explosive Properties:	Not available
Oxidising Properties:	Not available

#### (SECTION 10) STABILITY AND REACTIVITY

Reactivity:	This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.
Conditions to Avoid:	None known
Incompatibilities:	No particular incompatibilities
Fire Decomposition:	Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.
Polymerisation:	This product will not undergo polymerisation reactions.

#### (SECTION 11) TOXICOLOGICAL INFORMATION

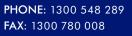
#### **Acute Toxicity**

Product/Ingredient Name	Result	Species	Dose	Exposure
Butane	LC <sub>50</sub> Inhalation Vapour	Rat	658 g/m³	4 hr
Isobutane	LC <sub>50</sub> Inhalation Vapour	Rat	658 g/m³	4 hr
Disodium tetraborate decahydrate	LD <sub>50</sub> Oral	Rat	2660 mg/kg	

Acute Toxicity Estimates:	Not available
Irritation/Corrosion:	No known effect according to our database
Inhalation:	No known significant effects or critical hazards
Skin Contact:	No known significant effects or critical hazards
Eye Contact:	No known significant effects or critical hazards
Ingestion:	No known significant effects or critical hazards
Sensitisation:	No known effect according to our database
Mutagenicity:	No known effect according to our database
Reproductive Toxicity:	No known effect according to our database
Teratogenicity:	No known effect according to our database
Specific Target Organ Toxicity (Single Exposure):	No known effect according to our database
Specific Target Organ Toxicity (Repeated Exposure):	No known effect according to our database
Aspiration Hazard:	No known effect according to our database

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Potential



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Delayed and immediate effects and also chronic effects from short and long term exposure
belayed and minediate encees and also enrolle encees nom short and long term exposure

Short Term Exposure	Short	Term	Exposure	e
---------------------	-------	------	----------	---

Potential Immediate Effects:	Not available
Potential Delayed Effects:	Not available
Long Term Exposure	
Potential Immediate Effects:	Not available
Potential Delayed Effects:	Not available

#### ECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:
Persistence and Degradability:
<b>Bioaccumulative Potential</b>

No known effect according to our database No known effect according to our database

Product/Ingredient Name	LogPow	BCF
Butane	2.89	

i i ouuce ingi cuicite i tuine		 , otentiai
Butane	2.89	Low
Propane	2.36	Low
Isobutane	2.8	Low

Mobility in Soil:

Not available

**Other Adverse Effects:** 

cavanable

No known significant effects or critical hazards

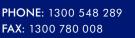
(SECTION 13) DISPOSAL CONSIDERATIONS

Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

Waste Treatment Methods	
Product:	
Methods of Disposal:	Waste must be disposed of in accordance with federal, state and local environmental control regulations. Waste packaging should be recycled.
Hazardous Waste:	The classification of the product may meet the criteria for a hazardous waste.
Packaging:	
Methods of Disposal:	The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special Precautions:	This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

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#### SECTION 14 TRANSPORT INFORMATION

	ADG	IMDG	ΙΑΤΑ
UN Number	1950	1950	1950
UN Proper Shipping Name	Aerosols, Flammable	Aerosols, Flammable	Aerosols, Flammable
Transport Hazard Class	2.1	2.1	2.1
Transport Hazard Sub Class	None allocated	None allocated	None allocated
Packing Group	Not set	Not set	Not set
Hazchem Code	2YE	2YE	2YE
ADG Special Provisions Code	63, 190, 277	63, 190, 277	63, 190, 277
Environmental Hazards			

**Packing Instruction:** 

None allocated

#### (SECTION 15) REGULATORY INFORMATION

Poison Schedule (Australia): Australia Inventory (AICS):	Not scheduled All components are listed or exempted
New Zealand Inventory of Chemicals (NZIoC):	All components are listed or exempted
HSNO Approval Number:	HSR002515
HSNO Group Standard:	Aerosols flammable
APVMA Approval Number:	Not applicable
TGA ARTG:	
MedSafe:	

#### (SECTION 16) OTHER INFORMATION

This SDS contains only safety-related information. For other data see product literature.

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number
Reason for Revision:	To bring to date

### **END OF SDS**