

# Material Safety Data Sheet

## Aerosol Gala Fly and Insect Spray

### IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Company Name</b>	Aaron Laboratories Pty Ltd
<b>ABN</b>	060 004 856 848
<b>Address</b>	21 Kitchen Road, Dandenong, VIC, 3175
<b>Emergency Tel:</b>	0418 179 157 0418 502 103
<b>Tel / Fax:</b>	(03) 9706 7673 / (03) 9706 7622
<b>Email:</b>	<a href="mailto:joseph@aaronlab.com.au">joseph@aaronlab.com.au</a>
<b>Product Name</b>	Gala Fly and Insect Spray
<b>Other Names</b>	Not relevant
<b>Manufacturers Code</b>	Not relevant
<b>Recommended use</b>	Insecticide to kill flies, mosquitoes, moths, cockroaches, spiders, fleas, ants, silverfish and carpet beetles.

### HAZARDS IDENTIFICATION

<b>Hazard Classification</b>	This product is classified as hazardous under NOHSC criteria. This product is classified as a Dangerous Good by the Australian Dangerous Goods Code . F: Flammable
<b>Risk phrase(s)</b>	<b>R12</b> Extremely flammable. <b>R50</b> Very toxic to aquatic organisms. <b>R53</b> May cause long-term adverse effects in the aquatic environment. <b>R65</b> Harmful: May cause lung damage if swallowed.
<b>Safety phrase(s)</b>	<b>S2</b> Keep out of reach of children. <b>S16</b> Keep away from sources of ignition - No smoking.. <b>S47</b> Keep at temperature not exceeding 50 °C <b>S23</b> Do not breathe spray <b>S24</b> Avoid contact with skin <b>S25</b> Avoid contact with eyes <b>S45</b> In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately. <b>S62</b> If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

For further health and safety information please refer to the full MSDS.

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### COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion
Tetramethrin	7696-12-0	2.16 g/kg
Phenothrin	188023-86-1	0.50 g/kg
Piperonyl Butoxide	51-03-6	4.34 g/kg
N-Octyl Bicycloheptene Dicarboximide	113-48-4	6.36 g/kg
Solvent Naptha (Petroleum) Medium Aliphatic	64742-88-7	10 – 30%
Hydrocarbon propellant		60 – 90%
- Propane	74-98-6	
- Butane	106-97-8	
Other ingredients		to 100%

### FIRST AID MEASURES

For advice, contact a Poisons Information Centre, Phone Australia 13 1126; New Zealand 0800 764 766, or a doctor at once.

Keep victim warm and quiet- Obtain immediate medical care – Ensure that attending medical personnel are aware of identity and nature of the product involved, and take precautions to protect themselves.

**Inhalation:** Do not breathe vapour. Remove victim to fresh air – apply resuscitation if victim is not breathing. Do not use direct mouth to mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device- Administer oxygen if breathing is difficult.

**Skin:** If skin or hair contact occurs, remove contaminated clothing and shoes immediately and flush skin and hair immediately with running water at room temperature for 15 minutes. For minor skin contact, avoid spreading material on unaffected skin.

**Eye:** If in eyes wash out immediately with water for 15 minutes. Obtain medical care.

**Ingestion:** Due to high volatility of product, this is not likely to occur. If sprayed in mouth, rinse mouth with water. If swallowed, do NOT induce vomiting. Obtain medical care.

### FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Small fire: Use water spray, dry chemical or carbon dioxide. Large fire: Use water spray or fog. Fight fire from protected position or use unmanned hose holders or monitor nozzles. If safe to do so, move undamaged containers from fire area. Do not approach hot containers. Cool containers with water before handling. If impossible to extinguish fire, protect surroundings, withdraw from are and allow fire to burn.
<b>Hazards</b>	Heat or damage to containers can release flammable / poisonous gases. Extremely flammable. Pressurised dispenser. Closed containers may rupture when exposed to heat greater than 50 C. Ruptured containers will rocket. Released gases can form explosive mixtures with air. Hazardous concentrations can accumulate in a confined space. Released gases can travel

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**Precautions / PPE** to source of ignition and flash back. Fire can produce irritating, poisonous and corrosive gases. Propellant is extremely flammable and heavier than air. High concentration of gas could cause dizziness or asphyxiation without warning. Released gases are harmful. Wear SCBA and protective gloves. If large amounts are involved, wear SCBA and chemical splash suit.

**HAZCHEM Code** 2YE

### ACCIDENTAL RELEASE MEASURES

**Emergency Procedures** Immediately contact police or fire brigade. Spill or leak area should be isolated immediately for at least 8 m in all directions. Eliminate all sources of ignition within at least 15 m. Keep unauthorised personnel away. Keep upwind and to higher ground. When a large quantity is involved in a fire, consider initial evacuation for at least 100 m in all directions. Send message to police and fire brigade. Tell them the location, material, UN Number, quantity and emergency contact as well as damage observed.

**Containment / Clean up Procedures** Eliminate all ignition sources (no smoking, flares, sparks or flame) within at least 15 m. All equipment used when handling the product must be earthed. If water is available, spray leaking containers to reduce ignition hazard and disperse gas. Isolate area until gas has dispersed. Ventilate area. Avoid release to the environment. Do not empty into drains. Absorb in inert absorbent material for disposal by an approved method and / or local regulations.

### HANDLING AND STORAGE

**Precautions for Safe Handling** Extremely flammable- Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Spray in a well ventilated area. Do not breathe vapour. Local exhaust ventilation may be necessary to minimise excessive vapour concentration, if levels are likely to be high or in a confined space. Avoid static charge and discharge with high concentrations and in confined space. Do not spray directly on humans, pets, exposed food utensils. Do not spray towards face. Remove or cover fish tanks before spraying. Care should be taken with fabrics and furnishings. Do not spray on painted surfaces.

**Conditions for Safe Storage** Keep out of reach of children. Store in a well ventilated area. Pressurised dispenser. Protect from sunlight and do not expose to temperatures exceeding 50 C. Do not pierce or burn this can, even when empty. Store away from corrosive products. Store in accordance with Dangerous Goods Regulations and transport in accordance with the ADG Code for Dangerous Goods Class 2.1

### EXPOSURE CONTROLS / PERSONAL PROTECTION

**National Exposure** There is no established TLV for this product. Avoid exposure – obtain special instructions before use.

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<b>Standards</b>	TWA for Butane is 800ppm Propane is an asphyxiant
<b>Biological Limit Values</b>	Not available.
<b>Engineering Controls</b>	Local exhaust ventilation may be necessary to minimise excessive vapour concentration, if levels are likely to be high or in a confined space.
<b>Personal Protective Equipment</b>	Wear safety glasses and protective gloves. Wear respirator complying with AS1715 and AS1716 if concentration levels are high.

## PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Aerosol, fine clear spray
<b>Odour</b>	Solvent like
<b>pH</b>	Not applicable
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Boiling / Melting Point</b>	Not available
<b>Solubility</b>	Not soluble
<b>Specific Gravity</b>	0.58 approx.
<b>Flash Point (propellant)</b>	-104 to -60°C
<b>Flammable limits (propellant)</b>	1.5% to 9.6% in air (v/v)
<b>Ignition Temperature (propellant)</b>	494°C to 600°C

## STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal ambient conditions of storage and use. Avoid heat sources.
<b>Conditions to avoid</b>	Heat, flames and sparks. Avoid static charge and discharge with high concentrations and in confined space. Avoid damp conditions.
<b>Incompatible Materials / Hazardous Reactions</b>	Can react violently with oxidising agents – chlorine, pool chlorine or nitric acid.
<b>Hazardous Decomposition Products</b>	Not available.

## TOXICOLOGICAL INFORMATION

<b>Potential adverse health effects and symptoms associated with exposure to the material</b>	Vapours may cause drowsiness and dizziness. Swallowed: Unlikely due to high volatility of product, but is harmful, may cause lung damage if swallowed Eyes: Liquid will cause severe damage, vapour may irritate. Skin: May cause cold burn. Irritating to skin. Inhaled: Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal. May cause light-headedness, dizziness and drowsiness. Excessive exposure may cause unconsciousness or even death, due to asphyxiation.
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### ECOLOGICAL INFORMATION

**Ecotoxicity / Persistence / Degradability / Mobility** Propellant will vapourise rapidly when released to atmosphere. Propellant consists of hydrocarbons that photo chemically decompose under atmospheric conditions.

### DISPOSAL CONSIDERATIONS

**Disposal methods** Recycle empty can.  
**Special precautions for landfill or incineration** Do not pierce or burn, even when empty.

### TRANSPORT INFORMATION

**UN Number** 1950  
**Proper Shipping Name** Aerosols  
**Emergency Procedure Guide** 2D1  
**Class and subsidiary risk(s)** 2.1  
**Packaging Group** Not applicable  
**Special precautions for user** Keep out of reach of children.  
Spray in well ventilated area. Keep away from sources of ignition – No smoking.  
Extremely flammable- Do not spray on a naked flame or any incandescent material.  
Do not spray directly on humans, pets, exposed food utensils. Do not spray towards face. Avoid contact with eyes and skin, wash hands after use. Remove or cover fish tanks before spraying. Care should be taken with fabrics and furnishings. Do not spray on painted surfaces.  
**Hazchem** 2YE

### REGULATORY INFORMATION

**Poisons Schedule** n/a  
**Additional information** Not applicable

### OTHER INFORMATION

**Date of preparation** 04/08/12  
**Issue** 1