

ALDI STORES MATERIAL SAFETY DATA SHEET

Brand & Product Name:	Atlas Flying Insect Spray Fast Knockdown Hypoallergenic Fragrance	
Product Code:	40471	
Page: 1 of 7	Issue Number: 1	Issue Date: 21 July 2015

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Atlas Flying Insect Spray Fast Knockdown Hypoallergenic Fragrance
Other Names: None
Recommended Use: Domestic insecticide for use as described on the registered label.

Supplier: ALDI Stores
ABN: 90 196 565 019
Street Address: 1 Sargents Road, MINCHINBURY NSW 2770
Telephone Number: +61 2 9675 9000
Facsimile Number: +61 2 9675 9299

Emergency Telephone No: 13 11 26

2. HAZARDS IDENTIFICATION

Based on available information, the material is: NON HAZARDOUS ACCORDING TO CRITERIA OF THE AUSTRALIAN SAFETY AND COMPENSATION COUNCIL (NOHSC)

Based on available information, the material is: CLASSIFIED AS DANGEROUS GOODS ACCORDING TO AUSTRALIAN DANGEROUS GOODS (ADG) CODE

Hazard category: Highly Flammable.

Risk Phrases:
(see Approved Criteria for Classifying Hazardous Substances (NOHSC: 1008 2004))

<u>Risk Phrase Number</u>	<u>Risk Phrase</u>
R52	Harmful to aquatic organisms.
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Safety Phrases:
(see Approved Criteria for Classifying Hazardous Substances (NOHSC: 1008 2004))

<u>Safety Phrase Number</u>	<u>Safety Phrase</u>
S22	Do not breathe vapours or mists.
S24/25	Avoid contact with skin and eyes.
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S	

3. COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS No.	Proportion
Alkanes, C ₃₋₄	106-97-8/74-98-6	80
Esbiothrin	84030-86-4	1.26g/L
Permethrin	52645-53-1	0.5g/L
Other non hazardous ingredients	secret	To 100%

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4. FIRST AID MEASURES

For advice, contact Poisons Information Centre (phone Australia 13 11 26) or a doctor.

(For each route of exposure provide indication of medical attention and special treatment needed including description of most important symptoms, acute and delayed)

Inhalation:	First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.
Skin Contact:	Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until chemical is removed.
Eye Contact:	No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.
Ingestion:	If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.
Note to Physician:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazards from combustion products:	The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases.
Precautions for firefighters and special protective equipment:	If a significant quantity of this product is involved in a fire, call the fire brigade. There is a danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Recommended personal protective equipment is full fire kit and breathing apparatus.
Suitable extinguishing material:	In case of fire, use carbon dioxide, dry chemical, foam, water fog. Water fog or fine spray is the preferred medium for large fires. Try to contain spills, minimise spillage entering drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures:	This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern.
Methods and materials for containment and clean up:	For minor spills, clean up, rinsing to sewer and put empty container in garbage. Although no special protective clothing is normally necessary because of occasional minor contact with this product, it is good practice to wear impermeable gloves when handling chemical products. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

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7. HANDLING AND STORAGE

Precautions for safe handling:

(including any incompatibilities)

Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10

Conditions for safe storage:

Store in a cool, well ventilated area, and make sure that surrounding electrical devices and switches are suitable. Check containers and valves periodically for leaks. If you keep more than 25kg of flammable gases, you are probably required to license the premises or notify your Dangerous Goods authority. If you have any doubts, we suggest you contact your Dangerous Goods authority in order to clarify your obligations. Check packaging - there may be further storage instructions on the label.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

National Exposure Standards:

Exposure limits have not been established by SWA for any of the significant ingredients in this product.

Biological Limit Values:

The ADI for Esbiothrin is set at 0.03mg/kg/day. The corresponding NOEL is set at 3mg/kg/day. ADI means Acceptable Daily Intake; NOEL means No-observable-effect-level. Data from Australian ADI List, June 2013

Engineering Controls:

Ventilation: This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Personal Protective Equipment:

Eye Protection: Eye protection such as protective glasses or goggles is recommended when this product is being used.
Skin Protection: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves when skin contact is likely.
Protective Material Types: There is no specific recommendation for any particular protective material type.
Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Clear, colourless liquid.

Odour:

Solvent odour.

pH:

Not measured.

Specific Gravity or Density:

Approx 0.75

Vapour Pressure:

No data.

Vapour Density:

>1

Percent Volatiles:

>90% at 100°C

Boiling Point Range:

No data.

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Freezing/ Melting Point: No data. Liquid at normal temperatures.
Solubility: Negligible.
Flash Point
(include method detection): Approx 70°C, (liquid phase). Closed cup.
Flammability Limits: No data.
Ignition Temperature: No data.
Shelf Life: 2 years
Other:

10. STABILITY AND REACTIVITY

Chemical Stability: Stable.
Conditions to avoid: This product should be kept in a cool place, preferably below 30°C. Containers should be kept dry. Keep away from sources of sparks or ignition.
Incompatible Materials: Oxidising agents.
Hazardous Decomposition Products: Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed.
Hazardous Reactions: None known.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion: Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

Eye Contact: If sprayed directly in the eye, this product will irritate. If spraying is prolonged, it may cause damage through frostbite.

Skin Contact: Major health effect from this product is misuse of the aerosol function. If sprayed continuously on skin or in eyes, it can cause frostbite.

Inhalation: Available data indicates that this product is not harmful. However product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort. Intentional misuse by deliberately concentrating and inhaling contents of aerosol containers can be harmful or fatal.

Long term effects: None known.

Acute Toxicity / Chronic Toxicity: (i.e. LD₅₀) None known.

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12. ECOLOGICAL INFORMATION

Ecotoxicity: Harmful to aquatic organisms.

Persistence and Degradability: No data.

Mobility: No data.

Other: No data.

13. DISPOSAL CONSIDERATIONS

Disposal methods: (including container disposal) 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

Special precautions for landfill or incineration: Do not incinerate this product or the containers, even if empty.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT: Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road and rail.

UN Number: 1950

UN Proper Shipping Name: AEROSOLS

D.G. Class: Class 2.1: Flammable gases.

Subsidiary Risk: None

Packaging Group: Not set

HAZCHEM Code: 2YE

Segregation: Class 2.1 Flammable gases shall not be loaded in the same vehicle or packed in the same freight container with Classes 1 (Explosives), 3 (Flammable Liquids) (where both flammable liquids and flammable gases are in bulk), 4.1 (Flammable Solids), 4.2 (Spontaneously Combustible Substances), 4.3 (Dangerous When Wet Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides), and 7 (Radioactive Substances). They may however be loaded in the same vehicle or packed in the same freight container with Classes 2.2 (Non-flammable Non-Toxic gases), 3 (Flammable liquids except where both flammable liquids and flammable gases are in bulk), 6 (Toxic Substances), 8 (Corrosive Substances) 9 (Miscellaneous dangerous goods), Foodstuffs and foodstuff empties.

Special Precautions For User: None

MARINE TRANSPORT: Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN Number: 1950

UN Proper Shipping Name: AEROSOLS

D.G. Class: Class 2.1: Flammable gases.

Subsidiary Risk: None

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Packaging Group: Not set

Stowage & Segregation: Class 2.1 Flammable gases shall not be loaded in the same vehicle or packed in the same freight container with Classes 1 (Explosives), 3 (Flammable Liquids) (where both flammable liquids and flammable gases are in bulk), 4.1 (Flammable Solids), 4.2 (Spontaneously Combustible Substances), 4.3 (Dangerous When Wet Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides), and 7 (Radioactive Substances). They may however be loaded in the same vehicle or packed in the same freight container with Classes 2.2 (Non-flammable Non-Toxic gases), 3 (Flammable liquids except where both flammable liquids and flammable gases are in bulk), 6 (Toxic Substances), 8 (Corrosive Substances) 9 (Miscellaneous dangerous goods), Foodstuffs and foodstuff empties.

Special Precautions For User: None.

AIR TRANSPORT: Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) for transport by air.

UN Number: 1950
UN Proper Shipping Name: AEROSOLS
D.G. Class: Class 2.1: Flammable gases.
Subsidiary Risk: None
Packaging Group: Not set
Special Precautions For User: None

DG ERG Code:

15. REGULATORY INFORMATION

Poisons Schedule: Not scheduled.
APVMA Status: Registered
TGA Status: Not relevant
AICS Status: All the constituents of this product are listed on AICS.
AQIS Status: Not relevant
ADG Status: Dangerous good
NOHSC Status: Not classified as hazardous according to the criteria of SWA.
Other:

16. OTHER INFORMATION.

MSDS Issue Date: 21 July 2015
Issue Number: 1
Reason for issue: New product
In any event, the review and, if necessary, the re-issue of this MSDS shall be no longer than 5 years after the last date of issue.

Key/Legend to Abbreviations and Acronyms used in the MSDS:

<u>Abbreviation</u> <u>/Acronym</u>	<u>Meaning</u>
AICS	Australian Inventory of Chemical Substances
APVMA	Australian Pesticides and Veterinary Medicines Authority

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AQIS	Australian Quarantine and Inspection Service
AS	Australian Standard (as issued by Standards Australia)
ASCC	Australian Safety and Compensation Council
DG ERG Code	Dangerous Goods Emergency Response Guidebook Code. The Emergency Response Guidebook is used by first responders (eg firefighters, police officers and ambulance personnel) when responding to a transportation emergency involving hazardous materials.
LD ₅₀	The median lethal toxicological dose, LD ₅₀ is an abbreviation for "Lethal Dose, 50%" of a toxic substance. This is the dose required to kill half the members of a tested population.
MSDS	Material Safety Data Sheet
STEL	Short Term Exposure Limit - A 15 minute TWA exposure which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL.
TGA	Therapeutic Goods Administration
TLV	Threshold Limit Value - TLV is a proprietary name registered by the American Conference of Governmental Industrial Hygienists (ACGIH) and refers to airborne concentrations of substances or levels of physical agents to which it is believed that nearly all workers may be repeatedly exposed day after day without adverse effect.
TWA	Time Weighted Average - The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.
UN Number	UN numbers are four-digit numbers that identify hazardous substances, and articles (such as explosives, flammable liquids, toxic substances, etc.) in the framework of international transport.

Literature References:

Sources of Data:

This MSDS has been prepared by the ALDI Stores product supplier from current technical data and summarises at the date of issue their best knowledge of the health and safety information of the product, and in particular how to safely handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact ALDI Stores.

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End of MSDS