

Safety Data Sheet

Version 1.1 Date: June 2019

Page 1

PYRO SHIELD

1. IDENTIFICATION OF THE SUBSTANCE / COMPANY:

1.1 Product identifiers

Product name: Pyro Shield
Brand: Integra Industries Limited
Packaging: Aerosol can of 75g and 150g capacity

1.2 Recommended uses: Fly & insect control suitable for most Automatic Aerosol dispensers.

1.3 Details of the supplier of the safety data sheet

Company: Integra Industries
Limited
PO BOX 677
Dunedin
New Zealand

Telephone: 0800 667 843

1.4 Emergency Telephone Number:

Emergency phone: New Zealand 0800 POISON (0800 764-766). Australia 13 1126
Transport emergency only: Dial 111

2. HAZARDS IDENTIFICATION:

EPA New Zealand Approval Code: HSR100377

HSNO Hazard Classification: Classified as a hazardous substance
2.1.2A(flammable aerosol), 6.3A (skin irritant), 6.4A (eye irritant), 6.5A
respiratory sensitiser), 6.5B (contact sensitiser), 6.9B (target organ systemic
toxicant), 9.1A (aquatic ecotoxicant), 9.4B (invertebrate ecotoxicant)
Classified as Dangerous Goods for transport in accordance with the
Land Transport Rule Dangerous Goods 2005 and NZS 5433:2007.

Warnings: Danger: Flammable aerosol
Very toxic: Very toxic to fish with long lasting effects
Very toxic to terrestrial invertebrates
Toxic: May cause respiratory sensitisation
Harmful: May cause skin irritation
May cause eye irritation
May cause sensitisation from prolonged skin contact
May cause organ damage from repeated oral exposure (high doses)

Precautionary Statements: Keep out of reach of children
Store in a well-ventilated area away from radiant heat or direct sunlight
Avoid skin and eye contact
Avoid contamination of any water supply with product or empty container.

Safety Data Sheet

Version 1.1 Date: June 2019

Page 2

PYRO SHIELD

3. COMPOSITION / INFORMATION ON INGREDIENTS:

| Ingredients | CAS Number | Concentration % |
|---|------------------|-----------------|
| Pyrethrums | 8003-34-7 | 8 - 10 |
| Isoparaffinic Petroleum Solvent | 64742-88-7 | 30 - 40 |
| Piperonyl Butoxide | 51-03-06 | 6 - 10 |
| Hydrocarbon Propellant (LPG) Propane/Butane | 74-98-6/106-97-8 | 30 - 60 |

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. Call 0800 POISON 0800 764-766 in New Zealand (13 1126 in Australia) or call a doctor / physician for advice. |
| Description of first aid measures: | |
| Eye contact: | If irritation occurs, rinse eyes cautiously with running water for several minutes. If irritation continues, continue to rinse for at least 15 minutes. |
| Skin contact: | Wash affected areas thoroughly with soap and water until the chemical is removed. |
| Ingestion: | Rinse mouth and drink 1-2 glasses of water. DO NOT induce vomiting. If symptoms develop call a Poisons Information Centre or a doctor/physician for advice. |
| Inhalation: | If inhaled, move the patient to fresh air, rest and seek medical advice. |

5. FIRE FIGHTING MEASURES:

| | |
|-------------------------------|--|
| Type of hazard: | Flammable gas (aerosol). There is a moderate risk of an explosion from this product if commercial quantities are involved in a fire. Firefighters should take care and appropriate precautions. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low lying spaces forming potentially explosive mixtures. They may also flash back considerable distances. |
| Suitable extinguishing media: | Use carbon dioxide, dry chemical, foam or water fog. Water fog or fine spray is the preferred medium for large fires. |
| Special hazards arising: | Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures. |
| Advice for firefighters: | If a significant quantity of this product is involved in a fire, there is a danger of a violent reaction or explosion. Wear full protective equipment and breathing apparatus. |

Safety Data Sheet

Version 1.1 Date: June 2019

Page 3

PYRO SHIELD

6. ACCIDENTAL RELEASE MEASURES:

Accidental release: This product is sold in small packages (aerosols). Accidental release from one aerosol is not usually a cause for concern. For minor spills, clean up, rinse to sewer and put the empty container in for can recycling.

Environmental precautions: Wear impermeable gloves when handling containers in a minor spill. In the event of a major spill, prevent spillage from entering drains or any water supply. Absorb with clay granules, sand or other absorbent material and sweep to a waste container. Cover the spill area with water and absorb. Dispose of waste to an approved waste disposal facility. Wear impermeable gloves

7. HANDLING AND STORAGE:

Handling: Keep out of reach of children. Keep exposure to this product to a minimum. Minimise the quantities kept in work areas. Use a minimum of impermeable gloves when handling the product.

Storage: Store aerosol containers in a cool dry well-ventilated area. Ensure all electrical devices and switches (ignition sources) are safe. Check containers and valves for leaks on a regular basis.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Personal Protection: The following New Zealand/ Australian Standards will provide general advice on safety clothing and equipment:
Respiratory equipment: AS/NZS 1715
Protective gloves: AS 2161
Industrial clothing: AS 2919
Industrial eye protection: AS 1336 and AS/NZS 1337
Occupational protective footwear: AS/NZS 2210

Workplace Exposure Standards: Pyrethrins TWA (mg/m³): 5
STEL (mg/m³): Not set

Special Equipment: No special equipment is usually needed when handling small quantities. The following instructions are applicable to bulk handling.

Eye Protection: Avoid contact with eyes. When handling wear protective glasses or goggles.

Respiratory Protection: Not normally required. Refer to AS/NZS 1715.

Skin protection: Wear impermeable elbow length gloves..

Ventilation: Proper ventilation should be provided to minimise vapours and mists as Pyro Shield is designed for use in an automatic aerosol dispenser.

Safety Data Sheet

Version 1.1 Date: June 2019

Page 4

PYRO SHIELD

9. PHYSICAL AND CHEMICAL PROPERTIES:

| | |
|----------------------|----------------------------------|
| Appearance: | Clear colourless liquid. |
| Packaging: | Aerosol |
| Odour: | Mild odour |
| Flammability Limits: | Not available - Highly flammable |
| Specific Gravity: | 0.71 |
| Solubility: | Not available |

10. STABILITY AND REACTIVITY:

| | |
|-----------------------------------|---|
| Reactivity: | The product is unlikely to react or decompose under normal storage conditions. |
| Stability: | To maintain stability, this product should be kept in a cool place below 30°C. Maintain ventilation and keep away from sources of sparks or ignition. |
| Materials to avoid: | No particular incompatibilities. |
| Hazardous decomposition products: | Fire decomposition products include carbon dioxide and if combustion is incomplete carbon monoxide and smoke. |

11. TOXICOLOGICAL INFORMATION:

| | |
|---------------------------|--|
| Acute toxicity: | Pyro Shield is not classified as an acute toxicant under HSNO |
| Skin effects: | Classified under HSNO as 6.3B (skin irritant) and 6.5B (contact sensitiser) |
| Eye irritation: | Classified under HSNO as 6.4A (eye irritant) |
| Respiratory effect: | Classified under HSNO as 6.5A (respiratory sensitiser) |
| Target organs: | Classified under HSNO as 6.9B (target organ systemic toxicant). |
| Potential health effects: | Misuse of the aerosol function by prolonged spraying may cause skin or eye damage. |

12. ECOLOGICAL INFORMATION:

| | |
|------------------------------------|---|
| Ecotoxicity: | Classified under HSNO as 9.1A (aquatic ecotoxicant) and 9.4B (invertebrate ecotoxicant) |
| Aquatic ecotoxicity: | Piperonyl butoxide is highly toxic to fish and aquatic organisms Bluegill sunfish LC ₅₀ (96hr): 6.12 mg/kg Daphnia magna LC ₅₀ (48hr): 0.51 mg/kg |
| Terrestrial invertebrate toxicity: | Honeybee Acute LD50: > 25 µg/bee. |

Safety Data Sheet

Version 1.1 Date: June 2019

Page 5

PYRO SHIELD

13. DISPOSAL CONSIDERATIONS:

Product: Disposal by normal use.
Empty containers: For normal aerosol use, the empty container should be recycled in the municipal can recycling system.
Environment protection: As a standard precaution, avoid contamination of any water supply with chemical or empty container.

14. TRANSPORT INFORMATION:

DG Classification: This product is classified as Dangerous Goods for transport in accordance with The New Zealand Land Transport Rule Dangerous Goods 2005/ NZS 5433:2007.
UN Number: 1950
Proper Shipping Name: Aerosols
Hazchem Code: 2YE

15. REGULATORY INFORMATION:

HSNO Approval No: HSR100377
HSNO Hazard Classification: 2.1.2A(flammable aerosol), 6.3A (skin irritant), 6.4A (eye irritant), 6.5A (respiratory sensitiser), 6.5B (contact sensitiser), 6.9B (target organ systemic toxicant), 9.1A (aquatic ecotoxicant), 9.4B (invertebrate ecotoxicant)
HSNO Controls: See www.epa.govt.nz

16. OTHER INFORMATION:

Abbreviations:
ADI: Acceptable Daily Intake
AS: Australian Standard
CAS Number: Chemical Abstracts Service Number
EPA New Zealand: Environmental Protection Authority of New Zealand
Hazchem Code: Emergency action code to provide information to emergency services.
HSNO: Hazardous substances and New Organisms Act 1996 (HSNO Act)
LC₅₀: Lethal concentration 50% of a population
LD₅₀: Lethal Dose 50% of a population
NZS 5433: New Zealand Standard: Transport of Dangerous Goods On Land 2007
UN Number: United Nations Number

This MSDS summarises the companies best knowledge of the health and safety hazard information of the product and how to safely handle the product during manufacture and use. The data does not signify any warranty with regard to the products properties.
