

**SAFETY DATA SHEET**



1. **IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY**

Product Name: **Nature's Answer to Insect Pests**  
Common Name of active ingredient(s): **Pyrethrins**  
  
Intended Use: **For use only as a Home Garden Insecticide.**  
Rate of Use: **Ready to use.**

For further information or in an emergency (24 hour service) contact: Levington Horticulture Limited, Paper Mill Lane, Bramford, Ipswich, IP8 4BZ, England. Telephone: (01473) 830492

Date of Introduction: January 1991

2. **COMPOSITION/INFORMATION ON INGREDIENTS**

SPEC. No.: 006170

|                    |           |                   |
|--------------------|-----------|-------------------|
| Pyrethrins         | 0.02% w/v | Active ingredient |
| Piperonyl butoxide | 0.1% w/w  | Synergist         |
| Emulsifier         |           |                   |
| Odourless kerosine | 0.18% w/w | Base carroer      |
| Water              |           |                   |

Revision

Occupational Exposure Standards:

|             |              |                      |
|-------------|--------------|----------------------|
| Pyrethrins: | 8 hr TWA:    | 5 mg/m <sup>3</sup>  |
|             | 15 min STEL: | 10 mg/m <sup>3</sup> |

3. **HAZARDS IDENTIFICATION**

Classification: None

The product contains a low concentration of substances which have a low hazard risk in concentrated form. Consequently the product presents a low health risk in use.

|                  |               |
|------------------|---------------|
| Ingestion:       | Low toxicity. |
| Eye contact:     | Low toxicity. |
| Skin contact:    | Low toxicity. |
| Skin absorption: | Low toxicity. |
| Inhalation:      | Low toxicity. |

PRECAUTIONS (from the label): KEEP AWAY FROM CHILDREN. KEEP OFF SKIN. WASH HANDS AFTER USE. DO NOT BREATHE SPRAY. APPLY AWAY FROM FISH AND BEES. KEEP IN ORIGINAL CONTAINER, tightly closed in a safe place. EMPTY CONTAINER COMPLETELY and dispose of safely.

4. **FIRST AID MEASURES**

Ingestion: Accidental ingestion is unlikely to cause significant toxicity. Individuals who ingest the formulation deliberately should be referred for medical assessment. Do not induce vomiting.

Eye Contact: Immediately irrigate eyes with water.

Skin Contact: Immediately flush skin with water whilst removing contaminated clothing.

Inhalation: Remove from source of exposure. Seek medical advice if there are persistent symptoms such as a burning sensation in the throat and chest.

5. **FIRE FIGHTING MEASURES**

Prevent contamination of water courses and drains.

6. **ACCIDENTAL RELEASE MEASURES**

Wearing the protective clothing detailed in Section 8: Soak up excess moisture with absorbent material. Wash spillage area with soap and water.

7. **HANDLING AND STORAGE**

Store away from frost.

Shelf life: At least 2 years

Product Packaging: 500 and 600ml Plastic spray gun

Special Precautions: None apply

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8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

For normal use: None required - gloves may be worn for personal hygiene if desired.  
In case of accidental spillage of bulk product or in experimental use: Nitrile gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Nature: Water based solution  
Appearance/Odour: Odourless, cloudy - light straw coloured liquid  
Water Solubility: Insoluble  
Specific Gravity: 0.995

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10. STABILITY AND REACTIVITY

Stability (normal conditions): Stable  
Conditions to avoid: None known  
Incompatible with: None known  
Hazardous decomposition products: None known

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11. TOXICOLOGICAL INFORMATION

**Revision**  
Pyrethrins: LD<sub>50</sub> 2370 mg/kg (male rat), 1030 mg/kg (female rat)  
LD<sub>50</sub> (percutaneous) >1500 mg/kg (rat), 5000 mg/kg (rabbit)  
No evidence that synergists increase toxicity of pyrethrins to mammals.  
Source: The Agrochemicals Handbook, 10th edition.

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12. ECOLOGICAL INFORMATION

**Revision**  
Highly toxic to fish. Toxic to bees.  
LD<sub>50</sub> (oral) >10000 mg/kg mallard ducks.  
Pyrethrins: Degraded by sunlight and UV light. Extracted from the flowers of *Pyrethrum (Chrysanthemum) cinerariaefolium*.  
Source: The Agrochemicals Handbook, 10th edition.

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13. DISPOSAL CONSIDERATIONS

User: Place the empty spray gun in the domestic refuse.  
Surplus Bulk Product/Spillage: Via local authority or authorised waste disposal contractor.

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14. TRANSPORT INFORMATION

Not classified as dangerous for transport.  
UN No: Does not apply  
Class No: Does not apply

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15. REGULATORY INFORMATION

CAS No: Pyrethrins: 8003-34-7  
Piperonyl butoxide: 51-03-6

**Revision**  
Country: UK UK Ireland  
Registration number: 06936 07504 91683  
Expiry date:

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16. OTHER INFORMATION:

For further advice authorised persons may contact a National Poisons Information Service Centre:

**Revision**  
Belfast 01232 240503  
Birmingham 0121 507 5588 or 0121 507 5589  
Cardiff 01222 709901  
Dublin 00 3531 8379964 or 00 3531 8379966  
Edinburgh 0131 5362300 or 0131 5361000  
Leeds 01132 430715 or 01132 923547  
London 0171 635 9191  
Newcastle 0191 232 5131

Reference number: SDS010

Version: 2

Date of sheet: 5 february 1997