

**Chemspray Home Pest Control Ant Killer Dust****Section 1 - Identification of Chemical Product and Company**

Envirogreen Pty Ltd  
PO Box 6390  
Silverwater NSW 1811

Phone: (02) 9395 1200 (Business hours)  
Fax: (02) 9395 1241

**Trade Name:** Chemspray Home Pest Control Ant Killer Dust  
**Product Use:** Indoor & Outdoor Ant Control  
**Creation Date:** Dec 2004  
**Revision Date:** May 2008

**Section 2 - Hazards Identification****Statement of Hazardous Nature**

This product is classified as hazardous according to the criteria of ASCC Australia. (Xi Irritant)

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

**Risk Phrases:** R43 May cause sensitisation by skin contact

**Safety Phrases:** S24/25 Avoid contact with skin & eyes

**SUSDP Classification:** Not scheduled

**ADG Classification:** None allocated. Not a Dangerous Good.

**UN Number:** None allocated

**Emergency Overview**

**Physical Description & colour:** White powdered solid.

**Odour:** No detectable odour

**Major Health Hazards:** No significant risk factors have been found for this product. The talc used in this product contains no asbestos fibre. Dust of non fibrous talc, consisting entirely of platifrom talc crystals and containing no asbestos poses a relatively small respiratory hazard.

**Potential Health Effects**

**Inhalation:** No inhalation hazards incidental to normal handling operations are anticipated from this product when used at room temperatures.

**Skin Contact:** This product is irritating to skin and may cause sensitisation.

**Eye Contact:** This product is irritating to the eyes. It will cause discomfort such as stinging pain, watering and redness of the eyes. Effects may last after exposure has ceased, and in severe exposure, long lasting or even permanent effects such as corneal damage can occur.

**Ingestion:** Single dose oral toxicity is considered to be low. No hazards are anticipated from swallowing small amounts incidental to normal handling operations.

**Carcinogen Status:**

**ASCC:** No significant ingredient is classified as carcinogenic by ASCC.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** No significant ingredient is classified as carcinogenic by IARC.

**Section 3 - Composition/Information on Ingredients**

| Ingredients                     | CAS No     | Conc,% | TWA (mg/m3) | STEL (mg/m3) |
|---------------------------------|------------|--------|-------------|--------------|
| Permethrin                      | 52645-53-1 | 2      | not set     | not set      |
| Talc                            | 14807-96-6 | >80    | 2.5         | not set      |
| Other non hazardous ingredients | secret     | to 100 | not set     | not set      |

This is a commercial product whose exact ratio of components may vary. Trace quantities of impurities are also likely.

**MATERIAL SAFETY DATA SHEET**

The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

---

## 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 MSDS with you when you call. Eyebaths or eyewash stations and safety deluge showers should be provided where this product is being used.

**Inhalation:** No first aid measures normally required. However, if vapours or mists have been inhaled, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

**Skin Contact:** If product gets on skin, immediately remove contaminated clothing and wash skin with soap and water. If irritation persists, seek medical attention.

**Eye Contact:** Flush the contaminated eye(s) with lukewarm, gently flowing water until the product is removed or until irritation has ceased, while holding the eyelid(s) open. Obtain medical advice if irritation becomes painful or lasts more than a few minutes.

**Ingestion:** If swallowed, do NOT induce vomiting. Wash mouth with water and give a glass of water to drink. First aid is not generally required. If in doubt contact a Poisons Information Centre or a doctor.

**Advice to Doctor:** Treat symptomatically. Note the nature of this product.

---

## Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

**Decomposition Products:** Only minor quantities of decomposition products are expected at temperatures normally achieved in a fire. Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water.

**Extinguishing Media:** Not Combustible. Use extinguishing media suited to burning materials.

**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade.

**Flash point:** Does not burn.

**Upper Flammability Limit:** Does not burn.

**Lower Flammability Limit:** Does not burn.

**Auto ignition temperature:** Not applicable - does not burn.

**Flammability Class:** Does not burn.

---

## Section 6 - Accidental Release Measures

**Accidental release:** Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber, PVC. If there is a significant chance that vapours or dusts are likely to build up in the cleanup area, we recommend that you use a respirator. Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area, preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this MSDS and the label, instructions on the label prevail. Dispose of only in accord with all regulations.

---

## Section 7 - Handling and Storage

**Handling:** 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.

**Storage:** Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Make sure that the product does not come into contact with substances listed under "Materials to avoid" in Section 10. Check packaging - there may be further storage instructions on the label.

## Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

| Exposure Limits | TWA (mg/m <sup>3</sup> ) | STEL (mg/m <sup>3</sup> ) | ADI (mg/Kg/day) | NOEL (mg/Kg/day) |
|-----------------|--------------------------|---------------------------|-----------------|------------------|
| Permethrin      | not set                  | not set                   | 0.05            | 5                |
| Talc            | 2.5                      | not set                   | not set         | not set          |

*The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. A TWA has not been established by Worksafe Australia for any of the major ingredients in this product. There is a blanket limit of 10mg/m<sup>3</sup> for dusts or mists when limits have not otherwise been established. The nature of this product makes it unlikely that this level will be approached in normal use. ADI means Acceptable Daily Intake and NOEL means No-observable-effect-level. Values taken from Australian ADI List, Dec 2003.*

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised.

**Eye Protection:** Protective eyewear should be worn when using this product. Eye contact may prove painful and dangerous and should be avoided.

**Skin Protection:** Impermeable protective gloves should be worn when you are using this product. Failure to do so may lead to irritation of the skin. Clothing: This product is essentially safe to use without special protective clothing. However, its use is recommended as a good industrial practice. Clean overalls or protective clothing should be worn, preferably with an apron.

**Protective Material Types:** There is no specific recommendation for any particular protective material type. Consult AS2919 for advice on Industrial Clothing.

**Respirator:** It is usually safe to not use a dust mask or respirator protection on account of this product. However, if the product is being used in dusty or confined conditions, use of a mask or respirator may be preferred.

Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## Section 9 - Physical and Chemical Properties:

|   |                                 |
|---|---------------------------------|
| <b>Physical Description &amp; colour:</b> | White powdered solid            |
| <b>Odour:</b>                             | No odour.                       |
| <b>Melting Point:</b>                     | No data                         |
| <b>Flash Point:</b>                       | n/a does not burn               |
| <b>Volatiles:</b>                         | n/a                             |
| <b>Bulk Density:</b>                      | no data                         |
| <b>Water Solubility:</b>                  | Insoluble                       |
| <b>pH:</b>                                | no data                         |
| <b>Volatility:</b>                        | n/a                             |
| <b>Odour Threshold:</b>                   | No data.                        |
| <b>Evaporation Rate:</b>                  | No data.                        |
| <b>Coeff Oil/water distribution:</b>      | No data                         |
| <b>Auto ignition temp:</b>                | Not applicable - does not burn. |

## Section 10 - Stability and Reactivity

**Reactivity:** This product is unlikely to react or decompose under normal storage conditions.

**Conditions to Avoid:** Heat, flames, ignition sources and incompatibles

**Incompatibilities:** Iron, alloys, strong acids and halogens

**Decomposition Products:** Only minor quantities of decomposition products are expected at temperatures normally achieved in a fire. Carbon dioxide & if combustion is incomplete, carbon monoxide and smoke. Water.

**Polymerisation:** This product is unlikely to undergo polymerisation processes.

---

## Section 11 - Toxicological Information

**Acute:**

**Oral toxicity:** LD<sub>50</sub> rat: 1479 mg/kg (Permethrin 25:75 in corn oil)

**Dermal toxicity:** LD<sub>50</sub> rabbit: > 2000 mg/kg (Permethrin)

**Inhalation toxicity:** LC<sub>50</sub> (3 hr) for mice and rats >685 mg/m<sup>3</sup> air (Permethrin)

**Skin irritation:** Mild irritant – rabbit (Permethrin)

**Eye irritation:** Mild irritant – rabbit (Permethrin)

**Chronic:**

Permethrin is not mutagenic, teratogenic or carcinogenic.

---

## Section 12 - Ecological Information

DO NOT contaminate streams, rivers, or waterways with the chemical or used containers.

**Fish toxicity:** LC<sub>50</sub> (96h): 2.5 µg/L rainbow trout (permethrin)  
LC<sub>50</sub> (48h): 1.8 µg/L bluegill sunfish (permethrin)

**Daphnia toxicity:** LC<sub>50</sub> (48h): 0.6 µg/L (permethrin)

**Toxicity to algae:** Data not available

**Bird toxicity:** LD<sub>50</sub> : >3000 mg/kg chickens (permethrin)  
LD<sub>50</sub> : >9800 mg/kg mallard ducks (permethrin)  
LD<sub>50</sub> : >13500 mg/kg Japanese quail (permethrin)

**Bee toxicity:** LD<sub>50</sub> (24h) (oral): 0.098 µg/bee; (contact): 0.029 µg/bee

---

**Environmental Fate, Persistence & Degradation:** Permethrin degrades rapidly in soil and water

---

## Section 13 - Disposal Considerations

**Disposal:** Normally suitable for disposal at approved land waste site. Instructions for the disposal of containers is found on the product label.

---

## Section 14 - Transport Information

**ADG Code:** This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

---

## Section 15 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are to be found in the public AICS Database.

## Section 16 - Other Information

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

### Acronyms:

|                       |  |
|-----------------------|--|
| <b>ADG Code</b>       | Australian Code for the Transport of Dangerous Goods by Road and Rail  |
| <b>AICS</b>           | Australian Inventory of Chemical Substances  |
| <b>ASCC</b>           | National Occupational Health and Safety Commission   |
| <b>CAS number</b>     | Chemical Abstracts Service Registry Number   |
| <b>Hazchem Number</b> | Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters |
| <b>IARC</b>           | International Agency for Research on Cancer  |
| <b>NOS</b>            | Not otherwise specified  |
| <b>NTP</b>            | National Toxicology Program (USA)  |
| <b>R-Phrase</b>       | Risk Phrase  |
| <b>SUSDP</b>          | Standard for the Uniform Scheduling of Drugs & Poisons   |
| <b>UN Number</b>      | United Nations Number  |

*THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.*

*IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS*

*OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.*

Please read all labels carefully before using product.

This MSDS is prepared in accord with the ASCC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [ASCC:2011(2003)]

© Envirogreen Pty Ltd May 2008