

Material Safety Data Sheet



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(EMERGENCIES ONLY)

Recruit* AG Termite Bait

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Not classified as hazardous according to the criteria of the National Occupational Health & Safety Commission.

I. IDENTIFICATION

Product Name: Recruit AG Termite Bait. **Dangerous Goods Class:** None allocated.
Shipping Names: None. **Sub Risk Class:** None allocated.
Product Code: NAF-165. **Packaging Group:** None allocated.
UN No: None allocated. **Poison Schedule:** Not scheduled.
Hazchem Code: None allocated.

Uses: For use as an above ground bait for the control of subterranean termites as specified on the label.

PHYSICAL APPEARANCE & PROPERTIES

Appearance: Laminated, textured cellulose in plastic container. **Flashpoint:** Not flammable.
Boiling point: Not applicable. **Specific gravity:** No data.
Volatile materials: No specific data. **Solubility in water:** Insoluble.
Corrosiveness: Not corrosive.
Vapour Pressure: 4.4×10^{-11} mm Hg at 25°C (hexaflumuron).

INGREDIENTS

Chemical Entity	CAS No.	Proportion
Hexaflumuron	086479-06-3	5 g/kg
Other non hazardous ingredients		995 g/kg

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II. HEALTH HAZARD DATA

Note: The information given below is for the product Recruit AG Termite Bait, unless otherwise stated.

A. Health Effects

The active ingredient for Recruit is hexaflumuron. The health effects of hexaflumuron have been studied extensively using toxicity tests conducted in animals. These tests are conducted using high doses compared to doses humans are most likely to be exposed. The acute toxicity of the product has not been determined because it is not practical to test the product which is water, solid cellulose, and a small quantity of hexaflumuron, which are essentially non toxic at the dose animal testing is conducted.

Acute

Swallowed: Hexaflumuron has low acute oral toxicity. The oral LD₅₀ (rat and rabbit) is greater than 5000 mg/kg.

Eye: Product is a solid matrix with the consistency of paper towels. It is not possible to get into the eyes. The active ingredient, hexaflumuron is a slight irritant to the rabbit eye.

Skin: Hexaflumuron has low acute dermal toxicity and is contained in a plastic container from the time of manufacture up to and including disposal. The dermal LD₅₀ (rat) is greater than 2000 mg/kg. Hexaflumuron is non irritating to rabbit skin and is non sensitising to guinea pig skin.

Inhaled: Not able to be inhaled

Chronic

Possible chronic health effects from exposure to Recruit are based on studies on the active ingredient. Hexaflumuron does not cause cancer in animals. Hexaflumuron does not interfere with reproduction and does not cause genetic damage or birth defects. Hexaflumuron is rapidly excreted and therefore it has low potential to accumulate in the body.

The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995).

B. First Aid

General: Consult The National Poisons Information Centre (Ph: 13 11 26) or a Doctor in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur seek medical attention immediately.

Swallowed: If swallowed contact a doctor or hospital immediately.

Skin: Minimal exposure. Hexaflumuron is contained in a plastic container from the time of manufacture up to and including disposal.

Eyes: Product is a solid matrix with the consistency of paper towels. It is not possible to get into the eyes.

Inhalation: Not able to be inhaled.

Advice to Doctor: Treat symptomatically with supportive care.

III. PRECAUTIONS FOR USE

Exposure Standards: No exposure standards has been assigned or are required for Recruit AG Termite Bait.

Engineering Controls: The product, Recruit AG Termite Bait is used indoors and outdoors, and is supplied in ready-to-use plastic containers. It remains in these containers from the time of manufacture up to, and including disposal.

Personal Protection: None required.

IV. SAFE HANDLING INFORMATION

Storage & Transport:

Not classified as hazardous according to criteria of Worksafe Australia. Not classified as a dangerous good. **In a transport emergency only, Dial 000 for Police or Fire Brigade.** Store in tightly closed original container in a securely locked, well-ventilated and cool place, out of direct sunlight. The product is stable at room temperature. Avoid excessive heat and do not store above 50°C for extended periods of time.

Spills

Pick up material and contain in a refuse vessel for disposal (see Disposal Section). Prevent entry of spilled material into drains or waterways.

Specialist clean-up equipment and procedures are not required as each ready-to-use Recruit AG Termite Bait is a solid matrix containing only water, cellulose and less than 2 grams of active ingredient (hexaflumuron).

Disposal

Contaminated material must be disposed of in accordance with all State and/or Local regulations.

Disposal of Containers: **DO NOT** remove bait matrix from the bait container. **DO NOT** burn empty containers. Bury damaged or used bait containers at a local authority or approved landfill.

Disposal of Spills: Bury cleaned up material at a local authority landfill that does not burn it's refuse. In some States, wastes can be only buried at a licensed landfill.

Fire & Explosion Hazard

Product contains cellulose and will combust. Classified as a C1 combustible product. Hazardous polymerisation products are not formed. If the product is involved in fire, use water fog, carbon dioxide or dry chemical.

V. OTHER INFORMATION

Ecotoxicity Data

Hexaflumuron is moderately to highly toxic to fish and other aquatic organisms. Hexaflumuron is non-toxic to birds, earthworms and soil micro-organisms.

Environmental Fate

Hexaflumuron does not hydrolyse in the pH range 5 to 7 although at pH 9 some hydrolysis occurs. Rapid photolysis occurs in natural aquatic systems with the final breakdown product being CO₂. In general, hexaflumuron only slowly degrades in the environment. Photolysis is the significant degradation process in aquatic systems. In soils hexaflumuron is rapidly and strongly absorbed and anaerobic degradation occurs more rapidly than aerobic degradation.. The rate of degradation being enhanced in higher moisture content soils. Hexaflumuron does not leach, and the degradation products are not considered to cause a concern for the environment.

Hexaflumuron does not leach, has a very low solubility in water and a high affinity for organic matter, hence, water contamination is unlikely to occur from normal use of Recruit AG Termite Bait.

VI. CONTACT POINT

FOR FURTHER PRODUCT INFORMATION CALL DOW AGROSCIENCES CUSTOMER SERVICE REPRESENTATIVES TOLL FREE 1800 700 096 DURING BUSINESS HOURS.

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 SHOULD READ THIS MSDS AND CONSIDER THE INFORMATION IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE INCLUDING IN CONJUNCTION WITH OTHER PRODUCTS. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY. THE 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.