

Risk Assessment

Business name: *DHS Inc.*

Name of person(s) completing this risk assessment: *Katherine Smith*

Date this pesticide risk assessment completed: *15/08/05*

Date this pesticide risk assessment to be reviewed: *15/08/06*

Pesticide Details

Product name: *Ficam D Insecticide Dust*

Active constituent: *10g/kg bendiocarb*

Form: (e.g. liquid, solid etc.) *Powder*

Poison schedule: *5*

Health effects: (briefly describe using MSDS and label)

Ingestion: Ingestion causes nausea and vomiting.

Eye contact: Mild eye irritant – contact will cause tears and blurred vision.

Skin contact: May irritate skin.

Inhalation: Irritates nose and throat.

Chronic: Repeated minor exposure may have a cumulative effect.

Symptoms of over-exposure include nausea, vomiting, diarrhoea, abdominal cramps, muscle weakness, headache, pinpoint pupils, chest discomfort, decreased pulse, dizziness, tears, salivation, sweating and confusion.

PPE required (use label and MSDS): *Cotton overalls buttoned at neck and wrist, washable hat, elbow-length PVC gloves, face shield or goggles. Disposable respirator in enclosed areas.*

Locations treated: (e.g. residential house, kitchen, external perimeter, garden beds)

Domestic building interiors. Pests are killed by contact with dust. Dust applied to insect hiding places such as electrical areas, ceilings and wall cavities using a powder puffer or powder duster.

Pest(s) treated: *Cockroaches, spiders, ants, bedbugs, carpet beetles, fleas, silverfish.*

Likely routes of exposure for this type of application: *Skin contact, inhalation.*

Job Description

Briefly describe procedures for:

LOADING, UNLOADING AND TRANSPORT OF PESTICIDE

10kg tubs of pesticide are loaded into back of the vehicle, and stored there until empty.

The chemical storage area of the vehicle is impervious, adequately ventilated, well lit and separated from the driver's cabin. No chemicals or application equipment are stored or transported in the driver's cabin.

After use, pesticide tub lids are secured. Tubs are checked for dust residue and wiped with a damp, disposable rag to ensure no risk of contamination. Pesticide tubs are stored on bunted shelves and secured with straps. No eating, drinking or smoking occurs when handling pesticides and hands are washed thoroughly afterwards. PVC gloves and impervious boots are always worn when handling pesticides.

Chemical storage area is kept locked at all times unless PCO is present and loading or unloading pesticide.

Empty containers are triple rinsed and punctured prior to disposal at an appropriate facility.

MIXING AND PREPARATION OF PESTICIDE

Full PPE worn - cotton overalls buttoned at the neck and wrist, a washable hat, PVC gloves, goggles and respirator. Impervious boots are always worn when handling pesticides. No eating, drinking or smoking occurs when handling pesticides and hands are washed thoroughly afterwards.

Pesticides are prepared in a level, impervious, adequately lit, well-ventilated area sheltered from the wind. The required amount of dust is transferred to the reservoir of the dispensing equipment using a small funnel and measuring jug.

Unprotected individuals are excluded from the mixing and preparation area. The pesticide tub, with the lid secured, is placed back into the chemical storage area immediately and storage area is locked.

Spills are managed promptly.

APPLICATION OF PESTICIDE

Full PPE worn - cotton overalls buttoned at the neck and wrist, a washable hat, PVC gloves, goggles and respirator. Impervious boots are always worn when handling pesticides. No eating, drinking or smoking occurs when handling pesticides and hands are washed thoroughly afterwards.

Residents are asked to vacate the premise during application, and for more than two hours following treatment to allow the dust to settle. Personal items such as toothbrushes, food, toys and cooking utensils are covered or removed from the areas to be treated. Pet bowls are removed, fish bowls, mattresses, bedclothes and clothing are covered. Clients are advised to relocate pets and thoroughly clean benchtops prior to food preparation.

The area is checked for risk of contamination; dust is not applied to roof voids where downlights or ventilation shafts may carry dust into house, and the area is checked for cracks and crevices.

Dust is dispensed with a powder puffer or a powder duster. Should the amount of dust in the equipment be inadequate to complete the task, additional dust can be added following the mixing and preparation procedures described above.

Spills are managed promptly.

Information is provided to the clients outlining where dust was used, the quantity of dust used, withholding periods, the full name of the pesticide, date of application and general advice to minimise risk to clients, family members and pets.

Gloves, goggles and contaminated clothing are washed separately at the end of each day.

Application equipment is cleaned of pesticide residue and returned to the storage area of the vehicle.

MANAGEMENT OF SPILL OF PESTICIDE

An appropriately stocked spill kit is carried in an easily accessible location on the vehicle at all times.

Full PPE worn - cotton overalls buttoned at the neck and wrist, a washable hat, PVC gloves, goggles and respirator. Impervious boots are always worn when handling pesticides. No eating, drinking or smoking occurs when handling pesticides and hands are washed thoroughly afterwards.

All unprotected individuals are excluded from area. Warning signs are displayed around the site.

Spills are prevented from spreading or entering any drains or waterways. The source of the spill is controlled. The dust is scooped into sealable containers, avoiding formation of a dust cloud.

Contaminated surfaces are dampened with water and absorbed with absorbent material from the spill kit. Spilled pesticide and clean up materials are disposed of appropriately.

Authorities notified where appropriate: 1800 033 111 (emergency).

If spill may endanger human or environmental health, call 000, DHS 1300 887 090, EPA (03) 9695 2722.

If employees injured, call Workcover (03) 9641 1555.

NOTES RELATING TO PERSONAL PROTECTIVE EQUIPMENT

Company handbook outlines the type, standard and maintenance of personal protective equipment. All staff must complete training related to this section of the handbook, including regularly waterproofing leather boots to ensure they remain impervious, knowing how to conduct a fit test for respirators and how to change respirator cartridges, and transporting contaminated clothing such as hats, gloves and overalls in sealable contaminated articles container.

Product Name: Ficam D

Loading, Unloading and Transport of Pesticide

Who is at risk	Route of exposure	List current control measures	Are current control measures adequate?		List additional measures to control health risks
Pest Control Operator	Skin	<i>Chemical storage area separated from driver's cabin. Gloves and boots worn when handling pesticide. PPE well maintained. Hands washed afterwards. Tubs sealed, checked for leaks, and wiped clean to prevent contamination.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk of skin contact minimised by isolating PCO from pesticide and hygiene practices.</i>	
	Inhalation	<i>Chemical storage area separated from driver's cabin. Tubs sealed, checked for leaks, and wiped clean to prevent contamination.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk of inhalation minimised by isolating PCO from pesticide</i>	
	Ingestion	<i>No eating/drinking/smoking when handling pesticides. Hands washed afterwards. Gloves and boots worn when handling pesticide. PPE well maintained. Tubs sealed, checked for leaks, and wiped clean to prevent contamination.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk of occupational ingestion restricted to accidental secondary transference and minimised by reducing skin contact (hands) through isolation and hygiene practices.</i>	
Other People	Skin	<i>Vehicle kept locked at all times when not in use. Empty containers appropriately disposed of.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk to others minimised by reducing exposure through exclusion from contaminated area.</i>	
	Inhalation	<i>Vehicle kept locked at all times when not in use. Empty containers appropriately disposed of.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk to others minimised by reducing exposure through exclusion from contaminated area.</i>	

	Ingestion	<i>Vehicle kept locked at all times when not in use. Empty containers appropriately disposed of.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk to others minimised by reducing exposure through exclusion from contaminated area.</i>	
Other	(list)	<i>Nil</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>No other foreseeable risk groups for this task.</i>	

Product Name: Ficam D

Mixing and Preparation of Pesticide

Who is at risk	Route of exposure	List current control measures	Are current control measures adequate?		List additional measures to control health risks
Pest Control Operator	Skin	<i>Full PPE worn. PPE well maintained. Pesticides prepared in sheltered area. Lid replaced securely on container and returned to locked storage area immediately. Hands washed afterwards.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk of skin contact minimised by isolating PCO from pesticide and through good hygiene practices. Risk of spill occurring also minimised.</i>	
	Inhalation	<i>Pesticides prepared in a well-ventilated area sheltered from the wind. Full PPE worn, including respirator. PPE well maintained. Lid replaced securely on container and returned to locked storage area immediately.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk of inhalation minimised by isolating PCO from pesticide. Risk of dust becoming airborne minimised. Respirator worn for additional protection.</i>	
	Ingestion	<i>No eating/drinking/smoking when handling pesticides. Hands washed afterwards. Full PPE worn. PPE well maintained. Lid replaced securely on container and returned to locked storage area immediately.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk of occupational ingestion restricted to accidental secondary transference and minimised by reducing skin contact (hands) through isolation and hygiene practices. Risk of spill occurring also minimised.</i>	
Other People	Skin	<i>Unprotected individuals excluded from preparation area. Pesticide returned to locked storage area immediately.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk to others minimised by reducing exposure through exclusion from contaminated area.</i>	

	Inhalation	<i>Unprotected individuals excluded from preparation area. Pesticide returned to locked storage area immediately.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk to others minimised by reducing exposure through exclusion from contaminated area.</i>	
	Ingestion	<i>Unprotected individuals excluded from mixing area. Pesticide returned to locked storage area immediately.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk to others minimised by reducing exposure through exclusion from contaminated area.</i>	
Other	(list) waterways	<i>Pesticides prepared in sheltered area on a level impervious surface. Lid replaced securely on container and returned to locked storage area immediately.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk of spill minimised by ensuring preparation takes place in an appropriate location.</i>	

Product Name: Ficam D

Application of Pesticide

Who is at risk	Route of exposure	List current control measures	Are current control measures adequate?	List additional measures to control health risks
Pest Control Operator	Skin	<i>Full PPE worn. Pesticide distributed using a hand held powder duster or powder puffer to control application. Hands washed afterwards. PPE washed after use and maintained regularly.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk of skin contact minimised by isolating PCO from pesticide and through good hygiene practices.</i>
	Inhalation	<i>Full PPE worn, including respirator. Pesticide distributed using a hand held powder duster or powder puffer to control application. Hands washed afterwards. PPE washed after use and maintained regularly.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk of inhalation minimised by isolating PCO from pesticide. Risk of dust becoming airborne minimised. Respirator worn for additional protection.</i>
	Ingestion	<i>No eating/drinking/smoking when handling pesticides. Hands washed afterwards. Full PPE worn. PPE washed after use and maintained regularly.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk of occupational ingestion restricted to accidental secondary transference and minimised by reducing skin contact (hands) through isolation and hygiene practices.</i>
Other People	Skin	<i>Unprotected individuals excluded from application areas. Residents advised to vacate during application and for two hours following treatment. Additional precautions also recommended. Dust is not applied to roof voids where downlights or ventilation shafts may carry dust into house.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk to others minimised by reducing exposure through exclusion from contaminated area and additional precautionary measures.</i>

	Inhalation	<i>Unprotected individuals excluded from application areas. Residents advised to vacate during application and for two hours following treatment. Additional precautions also recommended. Dust is not applied to roof voids where downlights or ventilation shafts may carry dust into house.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk to others minimised by reducing exposure through exclusion from contaminated area and additional precautionary measures.</i>	
	Ingestion	<i>Unprotected individuals excluded from application areas. Residents advised to vacate during application and for two hours following treatment. Additional precautions also recommended including removal of personal items from treatment area and thorough cleaning of benchtops prior to food preparation. Dust is not applied to roof voids where downlights or ventilation shafts may carry dust into house.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk to others minimised by reducing exposure through exclusion from contaminated area and additional precautionary measures. Risk of ingestion minimised by adequately advising clients of appropriate precautions and ensuring contamination risks are rectified prior to treatment.</i>	

Other	(list) pets	<i>Pets removed from application area until treatment complete. Fish tanks covered.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk of exposure minimised by exclusion from application area.</i>	
	Future tradesmen	<i>Information is provided to the clients outlining where dust was used, quantity of dust used, withholding periods, full name of pesticide, date of application, etc. Pesticide distributed using a hand held powder duster or powder puffer to control application.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk to future tradesmen minimised by ensuring clients are adequately advised of treatment details for future reference and dust applied strategically to cracks and crevices and as a tracking powder along runs and around hiding places.</i>	

Product Name: Ficam D

Management of Spill of Pesticide

Who is at risk	Route of exposure	List current control measures	Are current control measures adequate?	List additional measures to control health risks
Pest Control Operator	Skin	<i>Full PPE worn. Hands washed afterwards. PPE washed after use and maintained regularly. Contaminated articles sealed in containers and washed or disposed of.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk of skin contact minimised by isolating PCO from pesticide and through good hygiene practices.</i>
	Inhalation	<i>Full PPE worn, including respirator. Hands washed afterwards. PPE washed after use and maintained regularly. Contaminated articles sealed in containers and washed or disposed of. Spilt dust moistened or contained with damp cloths before clean up.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk of inhalation minimised by isolating PCO from pesticide. Risk of dust becoming airborne minimised. Respirator worn for additional protection.</i>
	Ingestion	<i>No eating/drinking/smoking when handling pesticides. Full PPE worn. Hands washed afterwards. PPE washed after use and maintained regularly. Contaminated articles sealed in containers and washed or disposed of.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk of occupational ingestion restricted to accidental secondary transference and minimised by reducing skin contact (hands) through isolation and hygiene practices.</i>
Other People	Skin	<i>Unprotected individuals excluded from contaminated area. Signage displayed to warn of pesticide spill. Areas thoroughly cleaned prior to permitting re-entry.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk to others minimised by reducing exposure through exclusion from contaminated area.</i>

	Inhalation	<i>Unprotected individuals excluded from contaminated area. Signage displayed to warn of pesticide spill. Areas thoroughly cleaned prior to permitting re-entry.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk to others minimised by reducing exposure through exclusion from contaminated area.</i>	
	Ingestion	<i>Unprotected individuals excluded from contaminated area. Signage displayed to warn of pesticide spill. Areas thoroughly cleaned prior to permitting re-entry.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk to others minimised by reducing exposure through exclusion from contaminated area.</i>	
Other	(list) land, air and waterways	<i>An appropriately stocked spill kit carried on the vehicle at all times. Spill management procedures well documented in company handbook. The source of the spill is controlled, the spill is contained with damp cloths or water and cleaned up using hand shovel. Contaminated articles sealed in containers and washed or disposed of. Authorities notified when appropriate.</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Why/Why not? <i>Risk of contamination of land, air and waterways minimised by maintaining a well-stocked spill kit and familiarity with company spill management procedures to promptly contain, control and clean up.</i>	