



COSHH Risk Assessment No: 048

Product Name: Dipel DF



Registration number – MAPP 17499

Appearance – Granules

Describe the activity or work process.
(Inc. how long/ how often this is carried out and quantity substance used)

WDG formulation of *Bacillus* bacteria used as an insecticide for the control of Brown Tailed Moths in amenity vegetation. To be applied via a knapsack sprayer by professional applicators at a maximum dose of 0.75kg/Ha. (400-1000 litres of water per ha)

Location of process being carried out?

To amenity vegetation around buildings

Identify the persons at risk:

Employees

Sub-contractors

Public

Name the substance involved including active ingredient, in the process and its manufacturer.
(A copy of a current safety data sheet is attached to this assessment)

Dipel DF (Interfarm UK)
Active Ingredients – *Bacillus thuringiensis* subsp *kurstaki* (54%)

Classification (state the category of danger)

	<input type="checkbox"/>	Very Toxic – if swallowed		<input type="checkbox"/>	Irritant - dermatitis causing		<input type="checkbox"/>	Extremely Flammable
	<input type="checkbox"/>	Toxic – if swallowed or inhaled		<input type="checkbox"/>	Sensitising		<input type="checkbox"/>	Highly Flammable
	<input type="checkbox"/>	Corrosive		<input type="checkbox"/>	Biological		<input type="checkbox"/>	Flammable
	<input type="checkbox"/>	Harmful - if swallowed		<input type="checkbox"/>	Oxidising		<input type="checkbox"/>	Environmental

Hazard Type

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gas	Vapour	Mist	Fume	Dust	Liquid	Solid	Other (State)

Route of Exposure

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(State)
Inhalation	Skin	Eyes	Ingestion	Other	(State)

Workplace Exposure Limits (WELs) please indicate n/a where not applicable

n/a	Short-term exposure level (15 mins): n/a
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State the Risks to Health from Identified Hazards

EC Classification: Not classified as harmful

Control Measures:

Always consider non-toxic options before application
 Always read label / MSDS before use and comply with details.
 To be used by trained operative (professional) only PA1 / PA6 holders only
 Keep in original, labelled container.
 Remain in control of substance at all times. Storage to be restricted to certified store, out of storage use to be confined to regulated vehicle.
 Timing of treatment to be made early morning, late afternoon to reduce risk to 3rd parties and non-target species
 Active ingredient to be selected before use of Pyrethroid insecticide due to lower environmental impact
 No spray to be applied above shoulder height to reduce risk to operator and reduce drift
 Where risk of interception by 3rd party warning labels to be used to denote use and risk
 Records to be kept on usage and location in pest control master file.
 Operator to wear suitable PPE when handling and applying As detailed below. Records of PPE maintenance to be held centrally.
 Make up only enough spray to carry out treatment to work area
 Waste product to be retained and disposed of by Pest Control operator as per EA guidelines.









Safety Phrases:

S1 Keep locked up. S2 Keep out of the reach of children
 S7 Keep container tightly closed
 S13 Keep away from food, drink and animal feeding stuffs
 S20/21 When using do not eat, drink or smoke
 P261 – Do not breathe gas/fumes/vapour/spray
 S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
 P302/352 – In case of contact with skin wash immediately with plenty of water and seek medical advice
 S29 – Do not empty into drains
 P280 Wear suitable protective clothing and gloves
 S38 – In case of insufficient ventilation wear suitable respiratory equipment.
 S44/S45 In case of accident or if you feel unwell, seek medical advice (show the label where possible)
 S49/ S35 Keep in original container and dispose of in a safe way
 S57 Use appropriate container to avoid environmental contamination
 P501 This material and its container must be disposed of as hazardous waste
 S61 Avoid release to the environment. Refer to special instructions / safety data sheets
 S62 If swallowed, do not induce vomiting : seek medical advice immediately and show the label or container

Is health surveillance or monitoring required?

Yes No

Personal Protective Equipment (state type and standard)

 <input type="checkbox"/>		 <input type="checkbox"/>	
Dust mask		Visor	
 <input checked="" type="checkbox"/>	Half mask with Filter P3 to EN149FFP3	 <input checked="" type="checkbox"/>	Goggles to EN166
Respirator		Goggles	
 <input checked="" type="checkbox"/>	Nitrile gloves to thickness of 0.4mm	 <input checked="" type="checkbox"/>	Disposable tyvex or standard coverall
Gloves		Overalls	
 <input checked="" type="checkbox"/>	Steel toe cap boots to be worn as per company dress code.	 <input type="checkbox"/>	
Footwear		Other	

First Aid Measures

Inhalation: Inhalation of mist or spray may cause irritation of the respiratory system. Move the exposed person to fresh air. Obtain medical advice immediately
Skin: May cause skin irritation in susceptible persons. Remove contaminated clothing. Wash off immediately with plenty of soap and water. If irritation persists obtain medical attention. Contaminated clothing should be washed and dried before re-use.
Eyes: may cause eye irritation of susceptible persons. Rinse immediately with plenty of water for 15 Mins holding the eyelids open. If irritation persists obtain medical attention.
Ingestion: Harmful if swallowed. Rinse out mouth and give water in small quantities. Induce vomiting only if – Patient is conscious, medical aid is not readily available, a significant amount has been ingested and time since ingestion is less than one hour.

Storage / Spillage

Storage: Keep in original labelled container, out of reach of children and non-target species. Protect from elements. Keep container tightly closed in a dry cool and well-ventilated place.
Spillage – Clean spillages immediately. Avoid entry to watercourses

Disposal of Substances & Contaminated Containers

Hazardous Waste Skip Return to Depot Return to Supplier Other

(If Other Please State):

Summary

Unlikely to cause harmful effects to operator or members of the public under normal conditions. Product used in small quantities and in low concentration. Used in accordance to label and operator training this product presents a low risk to health

Risk Rating Following Control Measures

High Medium Low

Assessed by: Paul Westgate

Date: 01/01/19

Review Date: 01/01/20