

DETAILED COSHH RISK ASSESSMENT – ADVION COCKROACH GEL INSECTICIDE

District Pest Control Ltd – Northern Ireland

1. Product Identification

Item	Details
Product Name	ADVION COCKROACH GEL INSECTICIDE
Product Type	Professional insecticide gel bait
Manufacturer	Syngenta Crop Protection
Active Ingredient	Indoxacarb
Prepared By	District Pest Control Ltd
Applicable Region	Northern Ireland
Review Date	May 2028

2. Applicable Northern Ireland Legislation

- Health and Safety at Work (Northern Ireland) Order 1978
- Management of Health and Safety at Work Regulations (Northern Ireland) 2000
- COSHH Regulations (Northern Ireland) 2003
- Environmental Protection legislation
- Waste and Duty of Care requirements
- Biocidal Products Regulation

3. Hazard Identification

Hazard Code	Description
H373	May cause damage to organs through prolonged or repeated exposure
H412	Harmful to aquatic life with long lasting effects
H442	Toxic to terrestrial invertebrates
Exposure Risk	Potential ingestion, skin and eye exposure

4. Persons at Risk

- Technicians
- Customers and occupiers
- Children
- Pets and non-target species
- Food handlers
- Members of the public

- Environment

5. Routes of Exposure

Exposure Route	Potential Harm
Ingestion	Toxic effects and organ damage
Skin Contact	Contamination and irritation
Eye Contact	Eye irritation and contamination
Inhalation	Respiratory irritation from vapours/dust
Environmental Release	Aquatic and terrestrial toxicity

6. Risk Matrix

Score	Risk Level	Colour
1-5	Low	Green
6-12	Medium	Amber
15-25	High	Red

Severity / Probability	Very Unlikely	Unlikely	Possible	Likely	Very Likely
Negligible	1	2	3	4	5
Minor	2	4	6	8	10
Moderate	3	6	9	12	15
Major	4	8	12	16	20
Extreme	5	10	15	20	25

7. Mandatory PPE & Hygiene Controls

PPE / Control	Requirement
Gloves	Nitrile chemical-resistant gloves
Eye Protection	Safety glasses where contamination risk exists
Protective Clothing	Suitable workwear
Respiratory Protection	Where exposure limits may be exceeded
Hand Hygiene	Mandatory washing after use
Eating/Drinking	Prohibited during application

8. COSHH Task-Based Detailed Risk Assessment

Task	Hazard	Persons at Risk	Initial Risk	Control Measures	Residual Risk
Transport of product	Leakage/spillage	Technician/ Public	9 Medium	Secure storage container in vehicle;	3 Low

				upright transport	
Storage	Unauthorised access	Children/Public	12 Medium	Locked chemical storage away from food	4 Low
Application in kitchens	Food contamination	Occupants/Food handlers	15 High	Apply away from food surfaces; remove exposed food	5 Low
Application in sensitive areas	Non-target exposure	Children/Pets	20 High	Apply in cracks/crevices only; inaccessible locations	5 Low
Repeated technician handling	Repeated exposure/STOT	Technician	12 Medium	PPE, hygiene procedures, exposure minimisation	4 Low
Spillage cleanup	Environmental contamination	Environment	15 High	Absorbent cleanup materials; prevent drain entry	5 Low
Waste disposal	Improper disposal	Environment/Public	12 Medium	Dispose through approved waste route	4 Low
Application near drains	Aquatic toxicity	Environment	15 High	Prevent contamination of drains/watercourses	5 Low
Use in food premises	Cross contamination	Customers/Public	15 High	Site-specific hygiene controls and cleaning	5 Low

9. Environmental Protection Controls

- Prevent release into drains, waterways and soil.
- Do not dispose into sewer systems.
- Contain spillages immediately.
- Dispose of contaminated materials via approved waste contractor.
- Protect bees and terrestrial invertebrates from exposure.

- Use only minimum quantities required for treatment.

10. First Aid Measures

Exposure	Action
Inhalation	Move to fresh air and seek medical advice
Skin Contact	Wash thoroughly with water
Eye Contact	Flush eyes for 15 minutes
Ingestion	Seek urgent medical attention; do not induce vomiting

11. Fire & Emergency Controls

- Use water spray, foam, dry powder or CO2 extinguishers.
- Do not use solid water jets.
- Prevent firefighting runoff entering drains.
- Wear breathing apparatus during major fire incidents.
- Evacuate area if hazardous smoke develops.

12. Self-Employed Technician Responsibilities

- Follow product label and COSHH assessment.
- Maintain treatment records.
- Use PPE correctly.
- Report incidents and near misses.
- Ensure safe transport and storage.
- Prevent public and environmental exposure.
- Maintain professional competency.

13. Monitoring & Audit Controls

- Treatment record audits
- Vehicle inspections
- PPE inspections
- Management spot checks
- Incident reporting
- Photographic treatment verification

14. Residual Risk Summary

Hazard	Initial Risk	Residual Risk
Food contamination	High	Low
Environmental contamination	High	Low

Technician exposure	Medium	Low
Public exposure	High	Low
Repeated exposure effects	Medium	Low

15. Technician Declaration

I confirm that I have read and understood this COSHH Risk Assessment, the product label and District Pest Control Ltd safe systems of work.

Technician Name: _____

Signature: _____

Date: _____

16. Management Control Statement

This COSHH Risk Assessment has been prepared by District Pest Control Ltd to support suitable and sufficient compliance with COSHH duties and Northern Ireland health and safety legislation.