

SAFETY DATA SHEET

Section 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product Name:	ADVION® COCKROACH GEL
Design Code:	A20379B
Recommended Use:	Insecticide bait for control of cockroaches.
Company Details:	Syngenta Crop Protection Limited
Address:	Tower II, Level 7, 110 Symonds Street Private Bag 92618, Symonds Street AUCKLAND NEW ZEALAND
Telephone number:	(weekdays) 09 - 306 1500
Emergency Telephone number:	(24 Hours) 0800 734 607
National Poisons & Hazchem Information Centre :	0800 POISON (0800 764 766)
Date of Preparation:	23 August 2013

Section 2: HAZARDS IDENTIFICATION

Hazard classification:	6.9B = May cause damage to organs through prolonged or repeated exposure. 9.1C = Toxic to aquatic life with long lasting effects. Avoid release into the environment 9.4B = Toxic to terrestrial invertebrates
Priority Identifier:	WARNING KEEP OUT OF REACH OF CHILDREN
Secondary Identifiers:	May cause organ damage from repeated oral exposure at high doses. Ecotoxic-harmful to aquatic life with long lasting effects. Toxic to terrestrial invertebrates.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

<i>Pure Substance:</i>	
Chemical Identity of pure substance:	(S)-methyl 7-chloro-2,5-dihydro-2-[[[(methoxycarbonyl)4(trifluoromethoxy)phenyl]amino]-carbonyl]indeno[1,2-e][1,3,4]oxadiazine-4a-(3H)-carboxylate
Common Name:	Indoxacarb
Synonyms:	DPX-MP062
CAS number:	173584-44-6

<i>Mixture:</i>		
Chemical Identity of ingredients:		
Ingredient	CAS no.	Content (% w/v)
Indoxacarb	173584-44-6	0.6%
Related Isomers & impurities	not allocated	< 0.6%
Inert Ingredient		> 99%

NOTE : only hazardous components need to be listed.

Section 4: FIRST AID MEASURES

Necessary First Aid measures:	For advice contact the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately. Begin artificial respiration if the victim is not breathing. Use mouth to nose rather than mouth to mouth. Obtain medical attention.
Ingestion:	No specific intervention is indicated, as the product is not likely to be hazardous by ingestion. Consult a doctor if necessary.
Eye:	Rinse eyes thoroughly with water. The product is not likely to be hazardous to the eyes. Consult a doctor if necessary.
Skin:	Wash hands with soap and water. The product is not likely to be hazardous to the skin. Consult a doctor if necessary.
Inhalation:	Do not breathe vapours. No specific intervention is indicated as the product is not likely to be hazardous by inhalation. Consult a doctor if necessary.
Poisoning symptoms:	No case of human poisoning due to this product is on record. The poisoning symptoms observed for laboratory mammals were non-specific.
Workplace facilities:	No specific facilities required. Standard emergency equipment must be available.
Hygiene Practices:	Avoid contact with skin and eyes and inhalation of concentrate or spray mist. DO NOT eat, drink or smoke while using. Wash hands and exposed skin thoroughly with soap and water before meals and after work. Wash protective clothing daily after work.
Notes for Medical Personnel:	No specific antidote is available. If poisoning is suspected apply symptomatic therapy.

Section 5: FIRE-FIGHTING MEASURES

Type of Hazard:	This product is non-flammable.
Fire Hazard Properties:	During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.
Regulatory Requirements:	Not required
Extinguishing Media and methods:	Extinguishing media - small fires Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Extinguishing media - large fires Alcohol-resistant foam or water spray. Do not use a solid water stream as it may scatter and spread fire.
Hazchem Code:	Not required
Recommended Protective Clothing:	When fighting a major fire wear an air-supplied respirator. Wear protective equipment.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Emergency Procedures: Ensure suitable personal protection during removal of spillages. This means wearing eye protection, chemically resistant gloves, boots and overalls.
Environmental Precautions:	Spillages of this product are unlikely to enter the environment due to the unit dose method of packaging. Washings must be prevented from entering surface water drains or waterways.
Procedure for spill:	<ol style="list-style-type: none">(1) Keep all bystanders away.(2) Reposition any leaking containers so as to minimise further leakage.(3) Dam and absorb spill with an absorbent material (e.g. sand or soil).(4) Shovel the absorbed spill into drums.(5) Decontaminate the spill area with detergent and water and rinse with the smallest volume of water practicable.
Procedure for Disposal:	Disposal of the absorbed material will depend upon the extent of the spill. Contaminated material must be disposed of in accordance with all local authority requirements. It is suggested: <ul style="list-style-type: none">• For quantities up to 50 kg of product bury in a secure approved landfill site.• For quantities greater than 50 kg seek advice from the manufacturer (use emergency contact number below) before attempting disposal. Contain in a secure location until disposal method is established.

Section 7: HANDLING AND STORAGE

Precautions for safe handling:	Handling: No special technical protective measures required. No special handling advice required.
Regulatory Requirements:	Not applicable
Handling practices:	Avoid contact with skin and eyes and inhalation of concentrate or vapours. When using, do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.
Approved Handlers:	Approved Handlers not required at time of use.

Conditions for Safe Storage:	Storage: Keep out of reach of children. Keep under lock and key. Keep in original containers and tightly closed. Keep away from food, drink and animal feeding stuffs. Store in a cool, dry, well ventilated place and protect from sunlight. Avoid temperatures below -5°C or above 35°C.
Store Site Requirements:	Signage and secondary containment will be required at sites holding 1000 kg or more of any product classified as 9.1C or 9.4B (eg ADVION COCKROACH GEL).
Packaging:	Store in original container, tightly closed, away from foodstuffs.

Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION

ALWAYS READ AND FOLLOW THE LABEL INSTRUCTIONS AND WARNINGS

<i>Workplace Exposure Guidelines:</i>	
Workplace Exposure Standards:	Not required
Application in the workplace:	Not required
Exposure standards outside the workplace:	Not required
Engineering controls:	No special requirements. Follow precaution statements on the label and the use and safety directions in Code of Practice for the Management of agrichemical NZS8409.
Personal Protection:	Not required
General Hygiene:	Change work clothes daily. May irritate the eyes and skin. Avoid contact with eyes and skin. Do not inhale. If product gets on skin immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Gel inside syringe
Odour:	None
pH value	5.4 – 6
Oxidising properties:	Not oxidising
Corrosive properties:	Not corrosive
Water solubility:	0.2 ppm (a.i.)

Section 10: STABILITY AND REACTIVITY

Stability of the Substance:	Stable under standard conditions.
Conditions to Avoid:	None known
Material to Avoid:	None known
Hazardous decomposition products	None known
Hazardous polymerisation	Will not occur
Specific Data	Not applicable

Section 11: TOXICOLOGICAL INFORMATION

HSNO Classifications:

6.9B = May cause damage to organs through prolonged or repeated exposure.
 9.1C = Toxic to aquatic life with long lasting effects. Avoid release to the environment
 9.4B = Toxic to terrestrial invertebrates

Acute Effects

Swallowed:	LD ₅₀	>5000 mg/kg (rat)
Dermal absorption:	LD ₅₀	>5000 mg/kg (rat)
Inhaled:	not tested as it is not a potential route of exposure	

Irritation

Eye: **NON-IRRITANT** (rabbit/ HSNO Classification)

Skin: **NON-IRRITANT** (rabbit / HSNO Classification)

Sensitization **NOT A SENSITISER** (guinea pigs/ HSNO Classification)

Section 12: ENVIRONMENTAL INFORMATION

HSNO Classifications:

6.9B = May cause damage to organs through prolonged or repeated exposure.
 9.1C = Toxic to aquatic life with long lasting effects. Avoid release to the environment
 9.4B = Toxic to terrestrial invertebrates

Environmental Risk and Safety Phrases: Avoid contamination of any water supply with chemical or empty container

The information presented below is for the active ingredient, indoxacarb. A thorough review of environmental information is not possible in this document.

Ecotoxicity Effects

Acute toxicity to fish:	LC ₅₀ (96 h) = 0.65 mg/L (Rainbow trout)
Acute toxicity to birds	Acute oral LD ₅₀ = 98 mg/kg (Bobwhite Quail) >2250 mg/kg (Mallard Duck)
Toxicity to aquatic plants:	EC ₅₀ (14 d) = 84.3 mg/L (<i>Lemna gibba</i> (duckweed))
Toxicity to aquatic invertebrates:	EC ₅₀ (48h) = 0.6 mg/L (<i>Daphnia magna</i> (water flea))
Toxicity to soil dwelling organisms:	LC ₅₀ (14 days) = 1250 mg/kg (earthworms)
Toxicity to Bees:	LD ₅₀ (48 h, oral and contact) = >100 µg/bee

Environmental Fate

The information presented here is for the active ingredient, indoxacarb.
 Low bioaccumulation potential. Slightly mobile in soil. Low bioaccumulation potential. This mixture contains no substance considered to be persistent, bioaccumulating, nor toxic (PBT)

Section 13: DISPOSAL CONSIDERATIONS

Product Disposal:	Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.
Container Disposal:	Ensure the container is empty. Dispose of empty container by wrapping in paper, placing in plastic bag and putting in the garbage. DO NOT reuse this container for any other purpose.

Section 14: TRANSPORT INFORMATION

Rail / Road (RID/ADR)	Not dangerous goods UN-No: not applicable Class: not applicable Packaging Group: not applicable Proper shipping name: not applicable
Sea (IMDG-Code)	Not classified as dangerous good MARINE POLLUTANT: no
Air (ICAO/IATA)	Not classified as dangerous good

Section 15: REGULATORY INFORMATION

HSNO Approval Number:	HSR001752
HSNO Controls (inc. Tracking and Record Keeping):	See www.epa.govt.nz for controls.
ACVM Registration:	NA
ACVM Controls:	See www.foodsafety.govt.nz/industry/acvm for registration conditions.

Section 16: OTHER INFORMATION

Note: This product is a registered agricultural chemical and must therefore be used in accordance with the container label directions. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the Government health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.

CONTACT POINT: Business Manager - Crop Protection: (09) 306 1503
24 HOURS EMERGENCY CONTACT: 0800 734 607

This Material Safety Data Sheet 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.

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DISCLAIMER

This product complies with the specifications in its statutory registration. Implied terms and warranties are excluded. Syngenta's liability for breach of the express or any non-excludable implied warranty is limited to product replacement or purchase price refund. The purchaser must determine suitability for intended purpose and take all proper precautions in the handling, storage and use of the product including those on the label and/or safety data sheet failing which Syngenta shall have no liability.