

SAFETY DATA SHEET



DuPont™ Arilon™ Insecticide

Version 2.0

Revision Date 16.09.2009

Ref. 13000049994

This SDS adheres to the standards and regulatory requirements of Australia and may not meet the regulatory requirements in other countries.

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : DuPont™ Arilon™ Insecticide
Use of the : Insecticide
Substance/Mixture :
Company : Du Pont (Australia) Ltd
7 Eden Park Drive
Macquarie Park NSW 2113
Australia

Telephone : (02) 9923 6111
Telefax : (02) 9923 6011
Emergency telephone : (02) 9923 6275 (Transport Emergency)
(24 hr Emergency Medical Information: 1800 674 415)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : B12774713
DPX-MP062 20WG

Components

Chemical Name	CAS-No.	Concentration
Indoxacarb (S-enantiomer)	173584-44-6	20 %
R-Indoxacarb (DPX-KN127)	185608-75-7	6.6 %
Inert Ingredients		73.4 %

3. HAZARDS IDENTIFICATION

Hazardous classification

Classified as dangerous goods according to the ADG Code

Classified as hazardous according to criteria of NOHSC.

Risks

Harmful if swallowed.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety data

Keep out of the reach of children.

Keep away from food, drink and animal feedingstuffs.

When using do not eat, drink or smoke.

This material and its container must be disposed of in a safe way.

If swallowed, seek medical advice immediately and show this container or label.

Use appropriate container to avoid environmental contamination.

Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

Specific hazards

Harmful if swallowed.

Causes moderate eye irritation.

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Harmful if absorbed through skin.
Avoid contact with skin, eyes and clothing.
Harmful if inhaled.
Avoid breathing dust.
Avoid breathing vapours or mist.
Wash thoroughly with soap and water after handling.

4. FIRST AID MEASURES

- General advice : Never give anything by mouth to an unconscious person. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
- Inhalation : Move to fresh air. Oxygen or artificial respiration if needed. Call a poison control centre or doctor for treatment advice.
- Skin contact : Take off all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.
- Eye contact : Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.
- Ingestion : Call a poison control centre or doctor for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water, Water spray, Foam, Dry chemical, Carbon dioxide (CO₂)
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus (SCBA). Wear full protective equipment.
- Further information : Evacuate personnel and keep upwind of fire. Use water spray. Runoff from fire control may be a pollution hazard. Dike off area to prevent runoff and contamination of water sources. In the event of fire, cool tanks with water spray.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Review sections 5 and 7 before proceeding with clean-up. Use personal protective equipment.
- Environmental precautions : Prevent material from entering sewers, waterways, or low areas.
- Methods for cleaning up : Prevent further leakage or spillage. Shovel or sweep up. Dispose of in an approved container.
- Additional advice : Dispose of in accordance with local regulations. Refer to the product label for instructions.


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7. HANDLING AND STORAGE
Handling

Advice on safe handling : Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

Storage

Requirements for storage areas and containers : Store in a cool, dry place. Store product in original container only in a location inaccessible to children and pets. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. Observe label precautions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

We are not aware of any national exposure limit.

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.

Hand protection : Material: Chemical-resistant gloves

Eye protection : Goggles, face shield, or safety glasses.

Skin and body protection : Wear protective clothing such as gloves, apron, boots, or coveralls, as appropriate.

Hygiene measures : Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Avoid breathing dust or vapor.

Protective measures : End users of this product should follow label instructions for personal protection when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : solid , granules

Colour : tan

Odour : slight

pH : 8.1 - 9.1


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Oxidizing properties : The product is not oxidizing.

Explosive properties : Not explosive

Bulk density : 0.50 - 0.70 g/ml Tapped

10. STABILITY AND REACTIVITY

Conditions to avoid : Stable at normal temperatures and storage conditions.
None reasonably foreseeable.

Hazardous decomposition products : No information available.

Hazardous reactions : Stable at normal temperatures and storage conditions.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50/rat : 1,972 mg/kg

Acute inhalation toxicity : LC50/4 h/rat female: 4.2 mg/l
Active ingredient

Acute dermal toxicity : LD50/rat : > 5,000 mg/kg

Skin irritation : rabbit
Result: No skin irritation

Eye irritation : rabbit
Result: No eye irritation

Sensitisation : mouse Result: Did not cause sensitization on laboratory animals.

Repeated dose toxicity :
The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions. Active ingredient

Inhalation rat
Incoordination Increased mortality or reduced survival

Oral rat
Red blood cell destruction causing abnormal decrease in number of red blood cells (anaemia)

Mutagenicity assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Did not cause genetic damage in animals. Active ingredient

Carcinogenicity assessment : Did not show carcinogenic effects in animal experiments. Active ingredient

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Toxicity to reproduction assessment : Animal testing did not show any effects on fertility. Active ingredient

12. ECOLOGICAL INFORMATION
Ecotoxicity effects

Toxicity to fish : LC50/96 h/Oncorhynchus mykiss (rainbow trout): 0.65 mg/l
Active ingredient

Aquatic toxicity : EC50/48 h/Daphnia magna (Water flea): 0.60 mg/l
Active ingredient

Further information on ecology

Additional ecological information : See product label for additional application instructions relating to environmental precautions.

13. DISPOSAL CONSIDERATIONS

Product : Do not contaminate water, food or feed by disposal. Refer to the product label for instructions. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

Contaminated packaging : Do not re-use empty containers.

14. TRANSPORT INFORMATION
ADG

UN-Number : 3077
Proper shipping name : Environmentally hazardous substance, solid, n.o.s.
Class : 9
Packaging group : III
(Indoxacarb)

IMDG

UN-Number : 3077
Proper shipping name : Environmentally hazardous substance, solid, n.o.s.
(Indoxacarb)
Class : 9
Packaging group : III
Labelling No. : 9
Marine pollutant : yes

Further information : Classified as dangerous goods according to the ADG Code


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15. REGULATORY INFORMATION
Labelling

Symbol(s)	: Xn Harmful N Dangerous for the environment
Hazardous components	: Indoxacarb (S-Enantiomer) R-Indoxacarb (DPX-KN127)
R-phrases(s)	: R22 Harmful if swallowed. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases(s)	: S 2 Keep out of the reach of children. S13 Keep away from food, drink and animal feedingstuffs. S20/21 When using do not eat, drink or smoke. S35 This material and its container must be disposed of in a safe way. S46 If swallowed, seek medical advice immediately and show this container or label. S57 Use appropriate container to avoid environmental contamination. SP 1 Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).
Further information	: Classified as hazardous according to criteria of NOHSC.

National regulatory information

SUSDP : Schedule 6

16. OTHER INFORMATION
Sources of key data used to compile the Safety Data Sheet:

1. National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]
2. Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]
3. List of Designated Hazardous Substances [NOHSC:10005(1999)]
4. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]
5. Australian Code for the Transport of Dangerous Goods by Road & Rail No. 7 [National Transport Commission]
6. Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP), No. 19 [NDPSC: 2004]
7. National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012(1994)]

Department:

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Australia

Further information:



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Take notice of the directions of use on the label.

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Significant change from previous version is denoted with a double bar.

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