

SAFETY DATA SHEET



AVAUNT 30WG Insecticide

Version 1.0

Revision Date 01.07.2018

Document no. 130000000325

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

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

Product name : AVAUNT 30WG Insecticide

Other names : B10596913
DPX-MP062 30 WG

Recommended use of the chemical and restriction on use

Recommended use : Insecticide

Manufacturer, importer, supplier

Company : FMC New Zealand Limited
Street address : 6 Clayton Street, Newmarket, Auckland 1023

Telephone : 0800 658080
Telefax : (09)-271-2961

Emergency telephone number : NZ Poisons Information Centre Ph: 0800 764766
24-hour Medical Emergency: 0800 111174 Transport Emergency: 0800 387668

2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001
Classified as a Dangerous Good according to NZS 5433

HSNO Classification:

6.1D : Acute toxicity (Oral)
6.5B : Skin sensitisation
6.9A : Specific Target Organ Toxicity (Blood, Heart, Nervous System)
9.1A : Aquatic toxicity (Acute or Chronic)
9.3B : Ecotoxic to terrestrial vertebrates
9.4A : Ecotoxic to terrestrial invertebrates

Endpoints which are not classified, cannot be classified or are not applicable are not shown.

Label content

Pictogram :



Signal word : Danger

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- Hazardous warnings** : Harmful if swallowed.
 May cause an allergic skin reaction.
 Causes damage to organs through prolonged or repeated exposure. (Blood, Heart, Nervous System)
 Very toxic to aquatic life with long lasting effects.
 Toxic to terrestrial vertebrates.
 Very toxic to terrestrial invertebrates.
- Precautionary statements** : Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
 Wash skin thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Contaminated work clothing should not be allowed out of the workplace.
 Wear protective gloves.
 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
 IF ON SKIN: Wash with plenty of soap and water.
 Get medical advice/ attention if you feel unwell.
 Specific treatment (see supplemental first aid instructions on this label).
 Rinse mouth.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Collect spillage.
 Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

Components

Chemical Name	CAS-No.	Concentration
Indoxacarb	173584-44-6	30 %
Silica gel, precipitated, crystalline-free	112926-00-8	10 - 15%
Other Ingredients		55 - 60%

4. FIRST AID MEASURES

Never give anything by mouth to an unconscious person.

Contact the National Poisons Centre 0800 POISON (0800 764766) or a doctor if you feel unwell.

- Inhalation** : Move to fresh air. Oxygen or artificial respiration if needed. Consult a physician.
- Skin contact** : Take off contaminated clothing and shoes immediately. Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions see a physician. Wash contaminated clothing before re-use.
- Eye contact** : If easy to do, remove contact lens, if worn. Hold eye open and rinse slowly and gently with water for 15-20 minutes. If eye irritation persists, consult a specialist.
- Ingestion** : Obtain medical attention. DO NOT induce vomiting unless directed to do so by a physician or poison control center. If victim is conscious: Rinse mouth with water.
- Most important symptoms/effects, acute and delayed** : No information available.
- Protection of first-aiders** : No information available.

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Notes to physician : Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water spray, Foam, Dry chemical, Carbon dioxide (CO2)

Unsuitable extinguishing media : High volume water jet, (contamination risk)

Specific hazards : No information available.

Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit.

Specific extinguishing methods : No information available.

Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
(on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers/tanks with water spray.

Hazchem Code : 2Z

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid dust formation. Avoid breathing dust. Wear suitable protective equipment.

Environmental precautions : Prevent material from entering sewers, waterways, or low areas.

Methods and materials for containment and cleaning up : Clean-up methods - small spillage Soak up with inert absorbent material. Sweep up or vacuum up spillage and collect in suitable container for disposal.
Clean-up methods - large spillage Avoid dust formation. Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13). Large spills should be collected mechanically (remove by pumping) for disposal. Collect leaking liquid in sealable (metal/plastic) containers. Collect and contain contaminated absorbent and dike material for disposal.

Additional advice : Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

7. HANDLING AND STORAGE

Handling

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Technical measures/Precautions : Keep out of reach of children. Avoid contact with skin and eyes. Avoid breathing dust or spray mist. When using do not eat, drink or smoke. Wash hands and face before breaks and after work.

Precautions for safe handling : Keep away from heat and sources of ignition. Avoid dust formation in confined areas. During processing, dust may form explosive mixture in air.

Storage

Suitable storage conditions : Keep out of the reach of children. Store in original container. Keep container tightly closed. Keep locked up. Do not store with feed, seeds or foodstuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical Name	Occupational Exposure Limits	Regulation
Silica gel, precipitated, crystalline-free		
TWA	10 mg/m ³ The value is for inspirable dust containing no asbestos and less than 1% free silica.	NZ OEL (07 2011)

Engineering measures : Ensure adequate ventilation, especially in confined areas. Provide for appropriate exhaust ventilation and dust collection at machinery.

Biological occupational exposure limits : No information available.

Personal protective equipment

Respiratory protection : None specified.

Hand protection : Material: Waterproof gloves

Eye protection : None specified.

Skin protection : When mixing or applying wear:., Waterproof gloves, hat, overalls, Footwear (shoes, boots).

Hygiene measures : Avoid contact with the skin and the eyes. Avoid breathing dust or spray mist. When using do not eat, drink or smoke. Wash hands and face before breaks and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (Physical state, form, colour, etc.)

Physical state : solid
Form : dry, free flowing granules
Colour : dark brown

Odour : mild woody

Odour Threshold : not determined

pH : 7.5 (10 g/l) (20 °C)

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Melting point/freezing point

Melting point/range : Not available for this mixture.

Initial boiling point and boiling range

No information available.

Flash point

: Not applicable

Evaporation rate

: No information available.

Flammability (solid, gas)

: Does not sustain combustion.
Method: Flammability (solids)

Upper/lower flammability or explosive limits

Upper explosion limit : No information available.

Lower explosion limit : No information available.

Vapour pressure

: Not available for this mixture.

Vapour density

: No information available.

Density

Specific gravity : 0.8

(Relative density)

Bulk density : 800 kg/m³

Solubility(ies)

Water solubility : not determined

Partition coefficient: n-octanol/water

: No information available.

Auto-ignition temperature

Auto-ignition temperature : not auto-flammable

Decomposition temperature

: No information available.

Viscosity

Viscosity, kinematic : not determined

Molecular weight

: No information available.

Other data

Phys-chem data : No other data to be specially mentioned.

10. STABILITY AND REACTIVITY

Reactivity

: No hazards to be specially mentioned.

Chemical stability

: The product is chemically stable under recommended conditions of storage, use and temperature.
No decomposition if stored and applied as directed.

Possibility of hazardous

: No dangerous reaction known under conditions of normal use. Polymerization will

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reactions	not occur.
Conditions to avoid	: To avoid thermal decomposition, do not overheat. Under severe dusting conditions, this material may form explosive mixtures in air.
Materials to avoid	: No materials to be especially mentioned.
Hazardous decomposition products	: Hazardous decomposition products Hydrogen fluoride, Hydrogen chloride gas

11. TOXICOLOGICAL INFORMATION
Acute toxicity
Oral

AVAUNT 30WG Insecticide : LD50/Rat male: 1,867 mg/kg
LD50/Rat female: 687 mg/kg

Inhalation

AVAUNT 30WG Insecticide : LC50/4 h/Rat(dust/mist): > 5.6 mg/l

Dermal

AVAUNT 30WG Insecticide : LD50/Rat: > 5,000 mg/kg

Skin corrosion/irritation

AVAUNT 30WG Insecticide : Species: Rabbit
Result: No skin irritation

Serious eye damage/eye irritation

AVAUNT 30WG Insecticide : Species: Rabbit
Result: No eye irritation
Minimal effects that do not meet the threshold for classification.

Respiratory or skin sensitisation

AVAUNT 30WG Insecticide : Species: Guinea pig
Result: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Indoxacarb : Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Animal testing did not show any mutagenic effects.

Carcinogenicity

Indoxacarb : Animal testing did not show any carcinogenic effects.

Reproductive toxicity

Indoxacarb : Reproductive toxicity: Animal testing did not show any effects on fertility.
No toxicity to reproduction
Teratogenicity: Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

Specific Target Organ Toxicity
Specific target organ toxicity - single exposure

Indoxacarb : Target Organs: Central nervous system
The substance or mixture is classified as specific target organ toxicant, single exposure, category 2.

Specific target organ toxicity - repeated exposure

AVAUNT 30WG Insecticide : Refer to acute toxicity and/or repeated dose toxicity data for more

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information on target organs if applicable.

Aspiration hazard
AVAUNT 30WG Insecticide : The mixture does not have properties associated with aspiration hazard potential.

Other
Indoxacarb : Repeated dose toxicity:
Inhalation/Rat
Target Organs: Central nervous system, Blood
Central nervous system effects, Incoordination, Increased mortality or reduced survival, altered hematology
Oral/multiple species
Target Organs: Blood
altered hematology

12. ECOLOGICAL INFORMATION
Ecotoxicity effects

Acute and prolonged toxicity to fish

AVAUNT 30WG Insecticide : LC50/96 h/Oncorhynchus mykiss (rainbow trout): 1.8 mg/l

Toxicity to aquatic plants

AVAUNT 30WG Insecticide : EbC50/72 h/Pseudokirchneriella subcapitata (green algae): >1.2 mg/l

Acute toxicity to aquatic invertebrates

AVAUNT 30WG Insecticide : EC50/48 h/Daphnia magna (Water flea): 1.7 mg/l

Chronic toxicity to fish

Indoxacarb : Early Life-Stage/NOEC/90 d/Oncorhynchus mykiss (rainbow trout): 0.15 mg/l

Chronic toxicity to aquatic Invertebrates

Indoxacarb : NOEC/21 d/Daphnia magna (Water flea): 0.9 mg/l

Terrestrial Vertebrate and Invertebrate Ecotoxicity

AVAUNT 30WG Insecticide : LD50/Colinus virginianus (Bobwhite quail): 258 mg/kg
LD50/48 h/Apis mellifera (bees): 0.0013 µg/bee

Persistence and degradability

AVAUNT 30WG Insecticide : Not readily biodegradable. Estimation based on data obtained on active ingredient.

Bioaccumulation

AVAUNT 30WG Insecticide : Does not bioaccumulate. Information refers to the main component.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods : In accordance with local and national regulations. Ensure container is empty.

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Contaminated packaging : Triple rinse containers. Add rinsings to spray tank. If not recycling, burn if circumstances permit otherwise bury in an approved landfill. Do not re-use empty containers. Dispose of this product only by using according to this label. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

NZS 5433

UN number : 3077
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Indoxacarb)
Class : 9
Packing group : III

IMDG

UN number : 3077
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Indoxacarb)
Class : 9
Packing group : III
Marine pollutant : yes

IATA

UN number : 3077
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Indoxacarb)
Class : 9
Packing group : III

Matters needing attention for transportation : Marine Pollutants in single or combination packaging containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 KG or less for solids may be transported as non-dangerous goods as provided in section 2.10.2.7 of IMDG code and IATA special provision A197. If the product meets these special provisions, it may be shipped in New Zealand as a non-dangerous goods under provisions in NZS 5433 code which accepts IMDG and IATA classification.

15. REGULATORY INFORMATION

HSNO Number : HSR000578
HSNO Controls : T1, T2, T3, T4, T5, T7
E1, E2, E3, E4, E5, E6, E7, E8
I1, I3, I8, I9, I11, I16, I17, I18, I19, I20, I21, I23, I28, I29, I30
P1, P3, P13, P15, PG3
D4, D5, D6, D7, D8
EM1, EM6, EM7, EM8, EM11, EM12, EM13, AH1

ACVM Number: P005355

16. OTHER INFORMATION

References

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SDS Number: 130000000325

Revision Date/Version

Date of first preparation : 03.01.2018

Revision Date : 01.07.2018

Version : 3.0

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

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