

Botran 75 WP



Section 1: Identification

Product name: Botran 75 WP

Other names: Botran 75-W

Recommended use: Fungicide

Manufacturer/Importer details: Agritrade
1 Robin Mann Place
Christchurch Airport
PO Box 292, Christchurch 8140

Phone: 03 372 0890

0800 CHEMCALL (0800 243 622)

24 hour emergency contact: 0800 POISON (0800 764 766)

National Poison Centre:

Section 2: Hazard identification

HSNO Approval: Product is classified as hazardous according to the Hazardous Substances (Classification) Notice 2017 of the HSNO Act, 1996.
Hazardous classifications: HSR000716
6.1D, 6.4A, 6.9B, 9.1A, 9.3C



Signal word: **WARNING**

Hazard statements: H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H373: May cause damage to organs through prolonged or repeated exposure.
H410: Very toxic to aquatic life with long lasting effects.
H433: Harmful to terrestrial vertebrates.

Additional label requirements: Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area
Do not apply directly into or onto water

Prevention statements: P102: Keep out of reach of children.
P103: Read label before use
P260: Do not breathe dust/mist/spray
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P273: Avoid release to the environment

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| Response statements: | P280: Wear protective eye/face protection, protection gloves/clothing. P101: If medical advice is needed, have product container or label at hand. P301 + P312: IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell. P330: Rinse mouth. P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P363: Wash contaminated clothing before reuse. P304 + P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313: If eye irritation persists: Get medical advice. P391: Collect spillage. |
| Storage statement/s: | No storage statements |
| Disposal statement/s: | P501 Dispose of product and containers in accordance with local Regulations. See section 13 for more details. |

Section 3: Composition/information on ingredients

Chemical identity of ingredients with health or environmental hazards:

| <i>Ingredient</i> | <i>CAS No.</i> | <i>Proportion w/w</i> |
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| Dicloran | 99-30-9 | 75.0 % |
| Other ingredients | Trade secret | 25.0 % |

Section 4: First-aid measures

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| First aid measures: | Remove any contaminated clothing. Seek medical advice if you feel unwell. Call the National Poisons Centre (0800 POISON; 0800 764 766) or a doctor. Have product container or label at hand. |
| Inhalation: | Move to fresh air if inhaled. Seek medical attention if you feel unwell. |
| Ingestion: | Do NOT induce vomiting. Rinse mouth. Seek medical attention if you feel unwell. |
| Skin contact: | Wash off with plenty of soap and water. Get medical advice if irritation persists. |
| Eye contact: | Rinse immediately with plenty of water. Remove contact lenses if present and easy to do and continue rinsing. Get medical attention if irritation persists. |
| First aid facilities: | Provide eye baths and safety showers close to areas where product contact or splashing may occur. |
| Advice to doctor: | Treat symptomatically. |

Section 5: Fire-fighting measures

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| Flammability: | Not classified as flammable nor combustible. |
| Appropriate extinguishing media: | Use water spray or alcohol-resistant foam for larger fires. Dry chemical, carbon dioxide or water spray may be used on small fires. Avoid using high volume water jet. |

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| Combustion products: | In the event of a fire, unspecified harmful/toxic compounds may be released. | | | | | | | | | | | | | |
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| Special protective equipment and precautions for fire-fighters: | Wear self-contained breathing apparatus. Contain the spread of the fire-fighting media. Do not allow run-off from fire fighting to enter drains or water courses. | | | | | | | | | | | | | |
| HAZCHEM code: | 2Z | | | | | | | | | | | | | |
| Section 6: Accidental release measures | | | | | | | | | | | | | | |
| Personal precautions: | Avoid contact with spilled product or contaminated surfaces. Use full personal protective equipment. | | | | | | | | | | | | | |
| Environmental precautions: | Do not allow to enter surface water, drains and ground water. Notify local authority if contamination of any waterway. | | | | | | | | | | | | | |
| Procedure for clean up: | Sweep up avoiding dust generation and collect into a labelled and container that can be tightly sealed. Wash contaminated area with water and detergent, absorb and put in container for disposal. Dispose of contaminated waste at an approved facility. | | | | | | | | | | | | | |
| Section 7: Handling and storage | | | | | | | | | | | | | | |
| Safe handling: | Ensure adequate ventilation. No specific precautions required when handling unopened packs/containers. When handling, wear full protective clothing. Mixing, loading and application must only be undertaken by a suitably qualified handler (See section 16 for further details). | | | | | | | | | | | | | |
| Safe storage: | Store in original container tightly closed and in a secure, dry, cool, well-ventilated area, away from foodstuffs. Store in accordance with current version of NZS 8409 Management of Agrichemicals. Stores containing more than 100 kg are subject to requirements for signage, secondary containment, and emergency response plans. | | | | | | | | | | | | | |
| Section 8: Exposure controls/personal protection | | | | | | | | | | | | | | |
| Occupational exposure limits: | <table><tr><th>Ingredient</th><th>Form of exposure</th><th>WES-TWA</th><th>WES-STEL</th></tr><tr><td rowspan="2">Particulates (not otherwise specified)</td><td rowspan="2">Inhalation</td><td>10 mg/m³ for inhalable particulates</td><td></td></tr><tr><td>3 mg/m³ for respirable particulates</td><td></td></tr></table> | | | | Ingredient | Form of exposure | WES-TWA | WES-STEL | Particulates (not otherwise specified) | Inhalation | 10 mg/m ³ for inhalable particulates | | 3 mg/m ³ for respirable particulates | |
| Ingredient | Form of exposure | WES-TWA | WES-STEL | | | | | | | | | | | |
| Particulates (not otherwise specified) | Inhalation | 10 mg/m ³ for inhalable particulates | | | | | | | | | | | | |
| | | 3 mg/m ³ for respirable particulates | | | | | | | | | | | | |
| Biological limit value: | None set as of 11 th edition of WorkSafe's Workplace Exposure Standards and Biological Exposure Indices – November 2019 | | | | | | | | | | | | | |
| Engineering controls: | Use with adequate ventilation, i.e. outdoors. | | | | | | | | | | | | | |

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| Respiratory protection: | Not required if used outdoors with adequate ventilation. If risk of inhalation, wear dust mark (EN149 Type P3) or respirator fitted with suitable filter for particulates. |
| Hand protection: | Wear chemical resistant gloves, e.g. nitrile. |
| Eye protection: | Wear chemical goggles. |
| Skin protection: | Wear chemical resistant coveralls and closed in boots. |
| General hygiene: | 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. |
| Personal Protection: | Further information on specific types of personal protective gear and related standards is available in Section 16. |

Section 9: Physical and chemical properties

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| (a) | Appearance: | Yellow powder |
| (b) | Odour: | Slight aniline odour |
| (c) | Odour threshold: | Not available |
| (d) | pH: | Not available |
| (e) | Melting point/freezing point: | 193 – 194 °C (active ingredient) |
| (f) | Initial boiling point and boiling range: | 351°C |
| (g) | Flash point: | >100°C |
| (h) | Flammability (solid, gas): | Not classified as flammable |
| (i) | Upper/lower flammability or explosive limits: | Not available |
| (j) | Vapour pressure: | Not applicable |
| (k) | Vapour density: | Not available |
| (l) | Relative density: | Not available |
| (m) | Solubility: | Soluble |
| (n) | Partition coefficient n-octanol/water: | Not available |
| (o) | Auto-ignition temperature: | Not available |
| (p) | Decomposition temperature: | Not available |
| (q) | Kinematic viscosity: | Not available |

Section 10: Stability and reactivity

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| Stability of the substance: | Stable under normal conditions of storage and use. |
| Conditions to avoid: | None specified. |
| Incompatible materials: | No particular incompatible materials identified. Store only in the original container. |
| Hazardous decomposition products: | No decomposition products expected under normal conditions of use. |

Section 11: Toxicological information

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| | | <p>Toxicity classifications determined by assessment of the components in the formulated mixture.</p> |
| (i) | Acute toxicity: | Classified as harmful by inhalation. |
| (ii) | Aspiration hazard: | Not classified as aspirant hazard |
| (iii) | Respiratory irritation: | Not classified as irritating. |
| (iv) | Skin corrosion / irritation: | Not classified as skin irritant nor as corrosive. |
| (v) | Serious eye damage / irritation: | Dicloran is identified as an eye irritant. |
| (vi) | Respiratory or skin sensitisation: | Not classified as a respiratory or contact sensitizer. |
| (vii) | Germ cell mutagenicity: | Not classified for mutagenic effects. |
| (viii) | Carcinogenicity: | Not classified for carcinogenic effects. |
| (ix) | Reproductive toxicity: | Not classified for reproductive toxicity. |
| (x) | Specific organ toxicity: | Classified as may cause damage to organs (liver) or systems from prolonged or repeated exposure. |
| (xi) | Narcotic effects: | Not classified for narcotic effects. |
| Toxicological information for product: | | <p>Oral LD₅₀ (rat) > 5000 mg/kg</p> <p>Dermal LD₅₀ (rat) > 5000 mg/kg</p> <p>Inhalation LD₅₀ (rat) > 2.06 mg/L</p> |

Section 12: Ecological information

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| | | <p>Ecotoxicological classifications determined by assessment of the components in the formulated mixture.</p> |
| (a) | Aquatic toxicity: | Very toxic to aquatic life with long lasting effects |
| (b) | Soil environment | Not classified as hazardous to the soil environment. |
| (c) | Terrestrial vertebrate toxicity: | Harmful to terrestrial vertebrates. |
| (d) | Terrestrial invertebrate toxicity: | Not classified. |
| (e) | Persistence and degradability: | Fenamidone is not rapidly biodegradable. Koc: 387 |
| (f) | Potential to be bioaccumulative: | Not expected to bioaccumulate. |
| (g) | Mobility in soil: | Product soluble in water. |
| Ecotoxicological information for Dicloran: | | <p>96hr LC₅₀ (Rainbow trout) 0.0.56 mg/L</p> <p>48hr LC₅₀ (<i>Daphnia magna</i>) 2.07 mg/L</p> <p>LD₅₀ Redneck pheasant 500 mg/kg b.w.</p> |

Section 13: Disposal considerations

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| Product disposal: | Dispose of this product only by using according to the label or through Agrecovery chemical disposal or similar approved service or to an approved landfill. |
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| Container disposal: | Recycle through Agrecovery if possible or appropriate recycling facility. Alternatively, crush and bury in an approved landfill. Do not use container for any other purpose. Avoid contamination of any water supply or stream with product or empty container. |
| Section 14: Transport information | |
| UN number: | 3077 |
| UN proper shipping name: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID N.O.S. (DICLORAN 75%) |
| UN class: | 9 |
| Packing group: | III |
| Subsidiary risk: | - |
| HAZCHEM\: | 2Z |
| Environmental hazards: | Marine Pollutant |
| Special precautions: | - |
| This product is classified as a Dangerous Good. Consult the Land Transport Rule: Dangerous Goods 2005 and NZS 5433:2012 Transport of Dangerous Goods on Land for more information | |
| Section 15: Regulatory information | |
| HSNO: | Approved substance under the HSNO Act 1996. |
| HSNO approval number: | HSR000716 |
| Tolerable exposure limit / environmental exposure limit: | None set at this time |
| HSNO controls: | See www.epa.govt.nz |
| Additional controls: | Do not apply into or onto water. |
| ACVM: | Registered under the Agricultural Compounds Veterinary Medicines Act 1997. |
| ACVM registration number: | P002584 |
| Conditions of registration: | See www.foodsafety.govt.nz |
| Section 16: Other information | |
| Date of issue: | 20/07/2020 |
| Reason for reissue: | New NZ SDS. |
| Replaces: | Not applicable |
| Information references: | Supplier Safety Data Sheet NZ EPA Approved hazardous substances with controls Workplace Exposure Standards and Biological Exposure Indices |
| Abbreviations: | ACVM: Agricultural Chemicals and Veterinary Medicines Group HSNO: Hazardous substances and New Organisms Act 1996 (HSNO Act) EPA: Environmental Protection Authority of New Zealand CAS Number: Chemical Abstracts Service Number LD50: Lethal Dose 50% (Population) LC50: Lethal Concentration 50% (Population) WES-TWA: Workplace exposure standards – Time-weighted average |

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| | WES-STEL: Workplace exposure standards – Short-term exposure limit |
| Personal Protection Standards: | The following Standards provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715 , Protective Gloves: AS 2161 , Occupational Protective Clothing: AS/NZS 4501 , Industrial Eye Protection: AS1336 and AS/NZS 1337 , Occupational Protective Footwear: AS/NZS2210 |
| Qualifications for handling: | This product must only be handled, including mixing and loading, by persons who are suitably qualified. These qualifications are specified in sections 60 and 63 of the EPA's Hazardous Substances (Hazardous Property Controls) Notice 2017. |

The data provided in this safety data sheet is based on current knowledge and experience. The purpose of this document is to describe the product in terms of its safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.