

Monceren IM DS



Section 1: Identification

Product name:	Monceren IM DS
Other names:	Monceren IM DS 13.3, Imazalil sulfate + Pencycuron DS 13.3 (6g/kg + 125 g/kg)
Recommended use:	Fungicide, Seed treatment
Manufacturer/Importer details:	Agritrade 1 Robin Mann Place Christchurch Airport PO Box 292, Christchurch 8140 Phone: 03 372 0890 0800 CHEMCALL (0800 243 622) 0800 POISON (0800 764 766)
24 hour emergency contact:	
National Poisons Centre:	

Section 2: Hazard identification

	Product is classified as hazardous according to the Hazardous Substances (Classification) Notice 2017 of the HSNO Act, 1996.
HSNO Approval:	HSR000589
Hazardous classification:	6.9B, 9.1B 
Signal word:	WARNING
Hazard statements:	H373: May cause damage to organs through prolonged or repeated exposure. H411: Toxic to aquatic life with long lasting effects.
Additional labelling 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:	P103: Read label before use P260: Do not breathe dust/fumes/gas/mist/vapours/spray P273: Avoid release to the environment
Response statements:	P314: Get medical advice/attention if you feel unwell. P391: Collect spillage
Storage statement/s:	No storage statements

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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>
Pencycuron	66063-05-6	12.5%
Imazalil	35554-44-0	0.6%
Kaolin	1332-58-7	20- 40%
Calcium carbonate	1317-65-3	30 – 60%
Other ingredients	-	Balance

Section 4: First-aid measures

First aid measures: If medical advice is needed, have product container or label at hand. For advice contact National Poisons Centre - 0800 POISON [0800 764 766] or a doctor.

Inhalation: Move to fresh air. Keep patient warm and at rest. Call a doctor or Poison Centre [0800 764 766] for advice if person feels unwell.

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a doctor or Poison Centre [0800 764 766] for advice if person feels unwell.

Skin contact: Wash off immediately with plenty of soap and water. If irritation persists get medical advice.

Eye contact: Rinse with plenty of water. Remove contact lenses, if present and easy to do so, then continue rinsing eye. Get medical attention if irritation persists.

First aid facilities: Provide eye baths and safety showers close to areas where product contact or dust generation may occur.

Advice to doctor: Treat symptomatically.

Section 5: Fire-fighting measures

Flammability: Not classified as flammable

Appropriate extinguishing media: Water spray, carbon dioxide, foam, sand

Combustion products: In the event of a fire the following may be released: Hydrogen chloride (HCl), Hydrogen cyanide (hydrocyanic acid), Carbon monoxide (CO), Nitrogen oxides (NOx)

Special protective equipment and precautions for fire-fighters: In the event of a fire/explosion, do not breathe fumes or smoke. In the event of fire, 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.

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HAZCHEM code: 2Z																					
Section 6: Accidental release measures																					
Personal precautions:	Avoid contact with spilled product or contaminated surfaces. Remove all sources of ignition. 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:	Use mechanical handling equipment Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly avoiding discharge of cleaning water to the environment.																				
Section 7: Handling and storage																					
Safe handling:	Read label before use. Use only in an area provided with appropriate exhaust ventilation. Dust may form explosive mixture in air. Keep away from heat sources and possible ignition sources. When handling, wear full protective clothing.																				
Safe storage:	Store in original container tightly closed and in a secure dry, cool, well-ventilated area, away from foodstuffs																				
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>Kaolin (Respirable dust)</td><td>Inhalation</td><td>10 mg/m³</td><td></td></tr><tr><td>Kaolin (Inhalable dust)</td><td>Inhalation</td><td>2 mg/m³</td><td></td></tr><tr><td>Calcium carbonate</td><td>Inhalation</td><td>10 mg/m³</td><td></td></tr><tr><td>Pencycuron*</td><td>Inhalation</td><td>5 mg/m³</td><td></td></tr></table> * This is not a regulatory standard, but is advised by the manufacturer Note: It is recommended that airborne concentrations should be kept below 3 mg/m³ for respirable particulates and 10 mg/m³ for inhalable particulates.	Ingredient	Form of exposure	WES-TWA	WES-STEL	Kaolin (Respirable dust)	Inhalation	10 mg/m³		Kaolin (Inhalable dust)	Inhalation	2 mg/m³		Calcium carbonate	Inhalation	10 mg/m³		Pencycuron*	Inhalation	5 mg/m³	
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Biological limit value:	None set as of 11 th edition of WorkSafe's Workplace Exposure Standards and Biological Exposure Indices – November 2019																				
Engineering controls:	Ensure area is well-ventilated.																				
Respiratory protection:	Wear respirator with a particle filter mask.																				
Hand protection:	Wear chemical resistant r, e.g. nitrile gloves.																				

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Eye protection:	Chemical goggles, safety glasses with side shields or face shield
Skin protection:	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.
	Further information on specific types of personal protective gear and related standards is available in Section 16.

Section 9: Physical and chemical properties

(a)	Appearance:	Red powder
(b)	Odour:	Weak
(c)	Odour threshold:	Not available
(d)	pH:	4.5 -6.5 (1% aqueous dispersion)
(e)	Melting point/freezing point:	Not available
(f)	Initial boiling point and boiling range:	Not available
(g)	Flash point:	>100°C
(h)	Flammability (solid, gas):	Not classified as flammable under HSNO
(i)	Upper/lower flammability or explosive limits:	Not classified as explosive under HSNO but capable of causing a dust explosion.
(j)	Vapour pressure:	Not available
(k)	Vapour density:	Not available
(l)	Relative density:	Not available
(m)	Solubility (ies):	Not available
(n)	Partition coefficient n-octanol/water:	Pencycuron: log Pow: 4.68 at 20°C Imazalil sulphate: 3.31
(o)	Auto-ignition temperature:	Not available
(p)	Decomposition temperature:	Not available
(q)	Kinematic viscosity:	Not available

Section 10: Stability and reactivity

Stability of the substance:	Stable under normal conditions of storage and use.
Conditions to avoid:	Avoid extremes of temperature and direct sunlight.
Incompatible materials:	Acids. Store only in the closed original container.
Hazardous decomposition products:	No hazardous decomposition products expected under normal conditions of use.

Section 11: Toxicological information

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Toxicity classifications determined by assessment of the components in the formulated mixture.		
(i)	Acute toxicity:	Not classified as acutely toxic
(ii)	Aspiration hazard:	Not classified as aspirant hazard
(iii)	Respiratory irritation:	Not classified as irritating to mucous membranes and respiratory tract.
(iv)	Skin corrosion / irritation:	Not classified as skin irritant or corrosive.
(v)	Serious eye damage / irritation:	Not classified as eye irritant or corrosive.
(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 through prolonged or repeated exposure.
(xi)	Narcotic effects:	Not classified for narcotic effects.
Toxicological information for product:	Oral LD ₅₀ (rat)	> 5000 mg/kg
	Dermal LD ₅₀ (rat)	> 5000 mg/kg
	Inhalation LD ₅₀)	> 0.401 mg/L
	Skin irritation (Rabbit)	Non irritant
	Eye irritation (Rabbit)	Slight irritant – No classification

Section 12: Ecological information

Ecotoxicological classifications determined by assessment of the components in the formulated mixture.		
(a)	Aquatic toxicity:	Toxic to aquatic life with long lasting effects.
(b)	Terrestrial vertebrate toxicity:	Not classified.
(c)	Terrestrial invertebrate toxicity:	Not classified.
(d)	Persistence and degradability:	Pencycuron is not rapidly biodegradable. KOC: 5667 Imazalil sulphate is not rapidly biodegradable. KOC: 4753
(e)	Potential to be bioaccumulative:	Pencycuron does not bioaccumulate. BCF: 226 Imazalil sulphate does not bioaccumulate. BCF 56.3
(f)	Mobility in soil:	Pencycuron: Immobile in soil Imazalil sulphate: Immobile in soil
Ecotoxicological information for product:	96hr LC ₅₀ (Bluegill sunfish)	> 0.26 mg/kg - pencycuron
	48hr LC ₅₀ (Daphnia magna)	> 1 mg/L – pencycuron
	48hr LC ₅₀ (Daphnia magna)	3.5 mg/L – imazalil
	21 Day NOEC (Daphnia magna)	0.0992 mg/L - pencycuron
	72hr EC ₅₀ (Green algae)	>1 mg/L – pencycuron
	72hr EC ₅₀ (Green algae)	0.87 mg/L – imazalil

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.
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. (PENCYCURON 12.5%)
UN class:	9
Packing group:	III
Subsidiary risk:	-
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:	HSR000589
Tolerable exposure limit / environmental exposure limit:	None set at this time.
HSNO controls:	See www.epa.govt.nz
Additional controls:	The Substance must not be applied onto or into water.
ACVM:	Registered under the Agricultural Compounds Veterinary Medicines Act 1997.
ACVM registration number:	P005036
Conditions of registration:	See www.foodsafety.govt.nz
Section 16: Other information	
Date of issue:	13/07/2020
Reason for reissue:	Review of product and SDS information and change of distributor
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

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	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 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

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.