Gowan®
Comércio Internacional e Servicos, Limitada

SAFETY DATA SHEET

1. Identification of the substance or preparation and the company/undertaking

Name of preparation: Matador 200 SC

Use: Agricultural acaricide

Company identification: Gowan Comércio Internacional e Serviços, Limitada
Avenida do Infante 50
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2. Composition/information on ingredients

Ingredients with health or environmental hazards:

Ingredient	*CAS No.*	*EC No.*	*%w/v*	*Symbol-letter(s)*	*Risk phrase(s)**
Fenazaquin	120928-09-8	410-580-0	18.32	T, N	R20, 25, 50/53

*See Section 16 for risk phrase text

Other ingredients: Inerts.

3. Hazards identification


Harmful


Dangerous for the environment

Health hazards: Harmful by inhalation and if swallowed.

Environmental hazards: Very toxic to aquatic organisms; may cause long-term adverse effects to the aquatic environment.

Fire hazards: None

4. First-aid measures

Inhalation:	Inhalation unlikely (water based). Remove patient from exposure into fresh air, and keep at rest. Obtain medical aid if symptoms occur.
Eye contact:	Irrigate eyes with eyewash solution or clean water, holding the eyelids apart, for at least fifteen minutes (do not let run-off water contaminate unaffected eye). Obtain immediate medical aid.
Skin contact:	Remove contaminated clothing and wash affected area thoroughly with soap and water. Report for medical attention.
Ingestion:	May cause vomiting and diarrhoea. Do not induce vomiting. Give patient plenty of water to drink if conscious, keep warm and at rest. If unconscious, place/transport patient in secured side recovery position. Obtain immediate medical aid.
Advice to physician:	Treatment should be symptomatic and supportive.

5. Fire-fighting measures

Fire hazard:	None (water based).
Extinguishing media:	Extinguish fire with extinguishants appropriate to the flammable/combustible materials involved. Keep unopened undamaged containers exposed to fire cool by spraying with water fog, if without risk of personal exposure to fire or chemical.
Exposure hazards:	Heated liquid may decompose to release toxic fumes. Heated drums may burst violently.
Protective equipment:	Wear chemical-resistant protective clothing and self-contained breathing apparatus.
Note:	Prevent run-off water contaminating drains or watercourses (bund if necessary); inform appropriate authority immediately if this happens.

6. Accidental release measures

Personal precautions:	Ensure adequate ventilation (see Section 8 if this is not possible). Avoid contamination with chemical; wear personal protective equipment (see Section 8). Keep people and animals away.
Environmental precautions:	Prevent chemical contaminating drains or watercourses (bund if necessary); inform appropriate authority immediately if this happens. Prevent chemical contaminating soil.

6. Accidental release measures (continued)

Clean-up measures:	Shut off leak if possible without risk of personal exposure to chemical. Contain large spillages with portable barriers etc and pump into suitable drums. Otherwise, or in the case of small spillages, contain/absorb with proprietary absorbent material or sand or earth; shovel up into suitable drums for safe disposal (see Section 13). Subsequently, wash affected surfaces with detergent and water.

7. Handling and storage

Handling:	Ensure appropriate measures (eg engineering controls and/or personal protective equipment) are in place to minimise exposure – see Section 8. Avoid contact with skin or eyes. Avoid inhaling vapour in the unlikely event of it being present in significant amounts.
Storage:	Store in a cool, dry, designated area in original containers or suitable alternatives, and in accordance with any label storage advice. Rotate stock and check regularly for leakers.

8. Exposure controls and personal protection

Refer to workplace risk assessment and exposure control measures. Exposure should be minimised by the use of appropriate containment, engineering control and ventilation measures. Where this is not possible, personal protective equipment should be worn as indicated below (in circumstances where the likelihood of exposure is minimal, eg very small spillage in a well ventilated area, some of the personal protective equipment described may not be appropriate – consult a specialist before disregarding).

Occupational exposure standards:	None specified.
Respiratory protection:	Inhalation unlikely (water based product). In an emergency where significant exposure is likely wear self contained breathing apparatus.
Eye protection:	Wear goggles with side pieces or visor or full face mask as appropriate for the activity concerned.
Hand protection:	Wear pvc, rubber or nitrile gloves. Check regularly for condition when using.
Skin protection:	Wear chemical resistant overalls (disposable, or clean reusable), rubber or pvc boots, rubber or pvc apron as appropriate.
General hygiene:	Wash after handling chemical or immediately if contamination occurs. Do not eat, drink or smoke. Decontaminate personal protective equipment before removal; if not possible, dispose of as contaminated waste.

9. Physical and chemical properties

Appearance:	Liquid	***Odour:***	No data
Density:	1.09 g/ml	***Vapour density***	Probably as for water
Vapour pressure:	Probably as for water	***Evaporation rate:***	Probably as for water
Melting point:	No data	***Boiling point:***	>100°C
Flash point:	Not combustible	***Autoignition temp.:***	Not combustible
Flammability in air	Not combustible	***Explosive potential†:***	Not explosive
Oxidising potential	Not oxidising	***Solubility in water:***	Miscible
Log Po/w	No data	***pH:***	No data
Viscosity:	No data		

†inherent property of bulk material.

10. Stability and reactivity

Conditions to avoid: Stable under normal conditions of storage and use (see Section 7).

Materials to avoid: None known other than those which react with water.

Hazardous decomposition products: None known. See Section 5 for thermal decomposition products.

11. Toxicological information

Inhalation: Harmful by inhalation: rat inhalational LC50 (4 hour) 1.1 mg/l.

Eye contact: Possibly irritating to eyes (but not classifiable as such).

Skin contact: Low acute toxicity: rabbit dermal LD50 >5000 mg/kg. No evidence of primary irritancy or sensitisation.

Ingestion: Harmful if swallowed: rat oral LD50 >300 to 425 mg/kg (male and female values).

Chronic toxicity: The ingredients of this preparation are not classified by their suppliers as carcinogenic, mutagenic or toxic for reproduction under EU rules.

12. Ecological information

Aquatic toxicity: Very toxic to aquatic organisms: fish LC50 <1 mg/l (unspecified species), daphnia 48 hour EC50 2.3 μg/l. For fenazaquin, BCF = ca. 500, log Po/w = 5.5.

Avarian toxicity: Probably low acute toxicity.

Toxicity to honey bees: Low toxicity.

Mobility: No data.

12. Ecological information (continued)

Persistence/degradability: The major route of degradation is by photolysis and photodegradation. Half-life in soils is dependent on soil type and conditions and is approximately 28-112 days. Tightly bound to soil and extremely resistant to leaching and elution. Considered to present long-term adverse effects to the aquatic environment.

13. Disposal considerations

This material should be disposed of at a licensed facility for disposal in accordance with local and national legislation. Preferred means of disposal is incineration (at >1100°C with minimum residence time of 3 seconds) with off-gas scrubbing where permitted.

Any packaging may be thoroughly cleaned of its contents and reused, recycled or land filled as appropriate in accordance with local and national legislation. Drums may be sent to drum recoverer or metal reclaimer.

Relevant legislation includes: (EU) The Waste Framework Directive (75/442/EEC), the Hazardous Waste Directive (91/689/EEC).

14. Transport information

Except where shown otherwise in this table, IATA, IMDG, ADR, RID and GB transport particulars are as for UN

UN proper shipping name:	PESTICIDE, LIQUID, TOXIC, N.O.S. (contains fenazaquin 18.3%)		
UN number:	2902	***UN class:***	6.1
UN packing group:	III	***UN label:***	No. 6.1
ADR classification code:	T6	***ADR transport category:***	3
ADR hazard identification number:	60	***CDG-road emergency action code:***	2X
IMDG marine pollutant:	Yes, Type P		

15. Regulatory information

EU classification/labelling particulars:
Note: Individual EU Member States may require these particulars to be modified as the classification and labelling of pesticides has not yet been fully harmonised; check national approval conditions before use.

Designated name:	Matador 200 SC
Categories of danger:	Harmful. Dangerous for the environment.
Symbol-letter(s):	Xn, N
Risk phrase(s)*:	R20/22, 50/53
Safety phrase(s)*:	S23, 51, 60
Precautionary phrases†*	

*See Section 16 for risk and safety phrase text. †Required by Member State pesticide approval authority instead of standard EU safety phrases on consumer packages.

16. Other information

This safety data sheet has been prepared in accordance with: (EU) EC Directive 91/155/EEC.

Risk and safety phrases used in this safety data sheet (Sections 2, 3, 15): R20 = Harmful by inhalation. R22 = Harmful if swallowed. R25 = Toxic if swallowed. R50/53 = Very toxic to aquatic organisms; may cause long-term adverse effects to the aquatic environment. S23 = Do not breathe spray. S51 = Use only in well-ventilated areas. S60 = This material and its container must be disposed of as hazardous waste.

Sources of information used include: Own data; ingredient suppliers' data; Annex I (list of substances with mandatory classification and labelling particulars) of The Dangerous Substances Directive 67/548/EEC as amended; transport rules.

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List of revisions in this version: Formatting only