

Zero Snail Bait

Safety Data Sheet

According to (EC) 1907/2006 (REACH) amendment Reg. (EU) 2020/878



Country: RSA
Language: English
Version: 2

SDS Number: 000042
Issue Date: 2022-10-01
Print Date: 2022-10-17

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier				
Product form	Mixtures			
Trade name	Zero Snail Bait			
Product code	500g, 1kg			
Registration Number	L11196			
SDS Number	000042			
1.2. Relevant identified uses of the substance or mixture and uses advised against				
1.2.1. Relevant identified uses				
Main use category	Molluscicide – Garden Snails			
Industrial/Professional use spec	Home and Garden.			
Use of the substance/mixture	Molluscicide			
1.2.2. Uses advised against				
See product label for restrictions.				
1.3. Details of the supplier of the safety data sheet				
Agro-Serve (Pty) Ltd 15 Diesel Road, Isando, 1600, South Africa P.O. Box 652147, Benmore, 2010, South Africa				
Telephone	+27 861 333 586 08h00 – 17h00 Monday to Friday			
Email	info@efekto.co.za			
Website	www.efekto.co.za			
1.4. Emergency telephone number				
Country	Organisation/Company	Address	Emergency number	Comment
Poisons Centre				
South Africa	Griffon Poisons Centre		082 446 8946	Dr Gerhard H Verdoorn
Spillage				
South Africa	Spill Tech		086 100 0366	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture				
Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures				
Product is not classified				
See Section 16 for the full text of the H statements declared above.				
See Section 11 for more detailed information on health effects and symptoms.				
2.2. Label elements				
Labelling according to Regulation (EC) No. 1272/2008 [CLP]				
Hazard pictograms: None				
Hazardous components which must be listed on the label: • None				
CLP Signal word: None				
Precautionary statements: P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P103: Read carefully and follow all instructions.				
Disposal				
2.3. Other hazards				
Not applicable				
Refer to section 11 for toxicological and section 12 for environmental information.				

Country: RSA
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Version: 2

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SECTION 3: Composition/information on ingredients

3.1. Substances					
		Ready to use Bait (RB)			
		Biocidal product			
3.2. Mixtures					
Chemical Name	CAS-No.	EC – Number	Conc. % by weight	Classification	Warning Symbols
sodium ferric EDTA <small>(Hazard classification of this material is based on the worst possible case)</small>	15708-41-5	239-802-2	0.975 %		
Other ingredients (non-hazardous) to 100%		Balance		100 %	
Further information					
For the full text of the Hazard statements mentioned in this Section, see Section 16.					

SECTION 4: First aid measures

4.1. Description of first aid measures	
General Advice	Remove contaminated clothing immediately and dispose of safely.
First-aid measures after inhalation	Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Do NOT give mouth-to-mouth resuscitation if victim ingested or inhaled the substance. Keep person at rest and warm. Treat symptomatically and supportively as and when required. Obtain medical advice if necessary.
First-aid measures after skin contact	Remove any contaminated clothing. Wash skin with soap or mild detergent and water for at least 15 minutes. Get medical attention if irritation develops or persists. Wash clothing before re-use.
First-aid measures after eye contact	Immediately flush eyes with lukewarm water or saline solution for at least 15 minutes, lifting lower and upper eyelids occasionally. Check for and remove any contact lenses after 5 minutes. Get medical attention if necessary.
First-aid measures after ingestion	Have victim rinse mouth thoroughly with water. Give water to dilute the material if the victim is alert and not convulsing. Induce vomiting immediately as directed by medical personnel. If spontaneous vomiting occurs, have the victim lean forward with head down to avoid breathing in of vomits, rinse mouth and administer more water. Never give anything by mouth to an unconscious person. Qualified medical personnel should perform the administration of oxygen. Seek medical advice if necessary.
4.2. Most important symptoms and effects, both acute and delayed	
	No information available.
4.3. Indication of any immediate medical attention and special treatment needed	
	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media	
Suitable	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable	Water jet.
5.2. Special hazards arising from the substance or mixture	
	Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Combustion products may include and are not limited to: Nitrogen oxides. Carbon monoxide. Carbon dioxide.
5.3. Advice for firefighters	
	Special protective equipment for fire-fighters Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. To extinguish combustible residues of this product use water fog, carbon dioxide, dry chemical or foam. Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage. Review the "Accidental Release Measures" and the "Ecological Information" sections of this SDS.
5.3. Further information	
	Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses.
5.4. Flash point	
	Does not flash.

Country: RSA
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 Version: 2

SDS Number: 000042
 Issue Date: 2022-10-01
 Print Date: 2022-10-17


SECTION 6: Accidental release measures	
6.1. Personal precautions, protective equipment and emergency procedures	
6.1.1. For non-emergency personnel	
Emergency procedures	Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces. Ventilate spillage area. Avoid contact with skin and eyes.
6.1.2. For emergency responders	
Protective equipment	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
	Do not allow to enter soil, waterways or wastewater canal.
6.3. Methods and material for containment and cleaning up	
For containment	Collect spillage.
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.
Other information	Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
	See Section 1 for emergency contact information. See Section 7 for information regarding safe handling. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	Avoid contact with skin, eyes and clothing. Handle and open container in a manner as to prevent spillage. Maintain exposure levels below the exposure limit through the use of general and local exhaust ventilation.
Hygiene measures	Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics. Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.
7.2. Conditions for safe storage, including any incompatibilities	
Storage conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Store in original container. Keep away from direct sunlight. Protect from freezing.
Storage temperature	>0°C <40°C
7.3. Specific end use(s)	
	Refer to the label and/or leaflet.

SECTION 8: Exposure controls/personal protection				
8.1. Control parameters				
Components	CAS-No.	Exposure limit(s)	Type of exposure limit	Source
RECOMMENDATIONS IN THIS SECTION ARE FOR MANUFACTURING, COMMERCIAL BLENDING AND PACKAGING WORKERS. APPLICATORS AND HANDLERS SHOULD SEE THE PRODUCT LABEL FOR PROPER PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING.				
8.2.1. Appropriate engineering controls		Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.		
8.2.2. Individual protection measures, such as personal protective equipment				
8.2.2.1 Protective Measures		Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reusing.		
8.2.2.2. Hand protection		Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.		
8.2.2.3. Eye protection		Tightly fitting safety goggles.		
8.2.2.4. Skin and body protection		Wear long-sleeved shirt and long pants and shoes plus socks.		

Country: RSA
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 Version: 2

SDS Number: 000042
 Issue Date: 2022-10-01
 Print Date: 2022-10-17

8.2.2.5. Respiratory protection	Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or were indicated by your risk assessment process. For most conditions no respiratory protection should be needed; however, if discomfort is experienced, use an approved air-purifying respirator. The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.
Personal protective equipment (Pictograms)	
8.2.3. Environmental exposure controls	Avoid release to the environment.
8.2.4. Volatile organic compounds:	No additional information available.
8.3. Additional emergency measures	
Emergency measure	Standards

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties	
1. Physical state	Solid
2. Colour	Green
3. Odour	Non specific organic odour
4. Odour threshold	No data available
5. Melting point / Freezing point	No data available
6. Boiling point or initial boiling point and boiling range	No data available
7. Flammability	Not flammable.
8. Lower and upper explosion limit	No data available
9. Flash point	Product is not flammable
10. Auto ignition temperature	No data available
11. Decomposition temperature	No data available
12. pH	No data available
13. Kinematic viscosity	No data available
14. Solubility	No data available
15. Partition coefficient octanol / water (log value)	No data available
16. Vapour pressure	No data available
17. Density Solubility	No data available
18. Relative density	No data available
19. Particle characteristics	No data available
9.2. Other information	
9.2.1. Information with regard to physical hazard classes	No additional information available.
9.2.2. Other safety characteristics	No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity	Stable under normal conditions.
10.2. Chemical stability	Stable under recommended storage conditions.
10.3. Possibility of hazardous reactions	No hazardous reactions when stored and handled according to prescribed instructions.
10.4. Conditions to avoid	Extremes of temperature and direct sunlight.
10.5. Incompatible materials	Store only in the original container.
10.6. Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. - Carbon Dioxide, Carbon Monoxide, and possibly irritating gases may form. Other decomposition products - No data available In the event of fire: see section 5

SECTION 11: Toxicological information

11.1. Information on toxicological effects	
Acute toxicity	: Not classified

Country:	RSA	SDS Number:	000042
Language:	English	Issue Date:	2022-10-01
Version:	2	Print Date:	2022-10-17

LD50 oral rat	LD50 (rat) > 2,00 mg/kg
LD50 dermal rat	LD50 (rat) > 2,000 mg/kg
LC50 inhalation rat (mg/l)	LC50 (Rat) > 2.75mg/l 4 hours
Skin corrosion/irritation	Non-irritating (rat)
Serious eye damage/irritation	Minimally irritating (rabbit)
Respiratory or skin sensitisation	Non-sensitizing (guinea pig)
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Based on available data, the classification criteria are not met..
Aspiration hazard	No known significant effects or critical hazards.
Assessment mutagenicity	No known significant effects or critical hazards.
Assessment carcinogenicity	No known significant effects or critical hazards.
Assessment toxicity to reproduction	No known significant effects or critical hazards.
Assessment developmental toxicity	No known significant effects or critical hazards.
Aspiration hazard	Not classified (Based on available data, the classification criteria are not met)
CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)	The mixture is not classified as mutagenic, carcinogen, reproductive toxic or aspiration hazard based on formulation components.
Other information	To the best of our knowledge physical, chemical and toxicological properties have not been fully investigated.
11.2. Information on other hazards	
Based on the available data, the substance is not listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.	

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general:	This product is not classified as environmentally hazardous
12.2. Persistence and degradability	
Persistence and degradability	No known significant effects or critical hazards.
12.3. Bioaccumulative potential	
Log Pow	Not available
12.4. Mobility in soil	
Ecology - soil	Not available
12.5. Results of PBT and vPvB assessment	
	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.
	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.
12.6. Endocrine disrupting properties	
	Based on the available data, the substance is not listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.
12.7. Other adverse effects	
	No additional information available.

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	Follow container label instructions for disposal of wastes generated during use in compliance with the product label. Never place unused product down any indoor or outdoor drain.
Contaminated packaging	Do not re-use empty containers. Place empty container in trash. Follow advice on product label and/or leaflet.

SECTION 14: Transport information				
In accordance with ADR / IMDG / IATA / AND / RID				
ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2. UN proper shipping name				
Not classified as dangerous	Not classified as dangerous	Not classified as dangerous	Not classified as dangerous	Not classified as dangerous
Transport document description				

Country:	RSA	SDS Number:	000042
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Version:	2	Print Date:	2022-10-17

14.3. Transport hazard class(es)				
-	-	-	-	-
14.4. Packing group				
-	-	-	-	-
14.5. Environmental hazards				
No.	No.	No.	No.	No.

SECTION 15: Regulatory information	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
Registration No.	L11196
Signal word:	Acute hazard unlikely under normal use
<p>This chemical is a registered pesticide product and is subject to certain labelling requirements under law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information required on the pesticide label.</p>	
Precautionary statements:	P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P103: Read carefully and follow all instructions.
Disposal	P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
WHO-classification:	Acute hazard unlikely under normal use
Classification according to GHS:	Category 5
IRAC Insecticide Group Code:	
15.2. Chemical safety assessment	
	No chemical safety assessment has been carried out.

SECTION 16: Other information			
Indication of changes:			
1, 2, 5, 6, 8, 9, 10, 11, 12			
Full text of H- and EUH-statements:			
Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:			
HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)			
Health - 1	Flammability - 0	Physical Hazard - 0	PPE -
0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard			
Abbreviations and acronyms			
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.		
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road.		
ATE	Acute toxicity estimate.		
CAS-Nr.	CAS-Nr. Chemical Abstracts Service number.		
CEILING	Ceiling Limit Value.		
Conc.	Concentration.		
EC-No.	European community number.		
ECx	Effective concentration to x %.		
IATA	International Air Transport Association.		
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code).		
ICx	Inhibition concentration to x %.		
IMDG	International Maritime Dangerous Goods.		
LCx	Lethal concentration to x %.		
LDx	Lethal dose to x %.		
LOEC/LOEL	Lowest observed effect concentration/level.		
MARPOL	MARPOL: International Convention for the prevention of marine pollution from ships.		
N.O.S.	Not otherwise specified.		
NOEC/NOEL	No observed effect concentration/level.		
OECD	Organization for Economic Co-operation and Development.		

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OES	Occupational Exposure Standard.
PEAK	PEAK: Exposure Standard - Peak means a maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail.
SK-SEN	Skin sensitiser.
SKIN_DES	SKIN_DES: Skin notation: Absorption through the skin may be a significant source of exposure.
STEL	STEL: Exposure standard - short term exposure limit (STEL): A 15-minute TWA exposure which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL.
TWA	TWA: Exposure standard - time-weighted average (TWA): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.
UN	United Nations.
WHO	World health organisation.

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SDS EU (REACH Annex II) Update 1 October 2022

End of Safety Data Sheet