


Country: RSA, NAM, BOT, ZAM, MOZ  
 Language: English  
 Version: 1

SDS Number: 000045  
 Issue Date: 2022-08-01  
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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

<b>1.1. Product identifier</b>				
Product form	Mixtures			
Trade name	Cutworm Bait			
Product code	500g 20902 (6001379011394)			
Registration Number	L1100 / N-AR0128 / W130192			
SDS Number	000045			
<b>1.2. Relevant identified uses of the substance or mixture and uses advised against</b>				
<b>1.2.1. Relevant identified uses</b>				
Main use category	Insecticide – Plant Protection Product.			
Industrial/Professional use spec	Home and Garden.			
Use of the substance/mixture	Insecticide.			
<b>1.2.2. Uses advised against</b>				
See product label for restrictions.				
<b>1.3. Details of the supplier of the safety data sheet</b>				
		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			
<b>1.4. Emergency telephone number</b>				
Country	Organisation/Company	Address	Emergency number	Comment
<b>Poisons Centre</b>				
South Africa	Griffon Poisons Centre		082 446 8946	Dr Gerhard H Verdoorn
<b>Spillage</b>				
South Africa	Spill Tech		086 100 0366	

### SECTION 2: Hazards identification

<b>2.1. Classification of the substance or mixture</b>				
Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures				
		Acute toxicity: oral Category 4: H302 Harmful if swallowed.		
		Acute toxicity: Skin Irrit. Category 5: H315 Causes skin irritation.		
		Acute toxicity: inhalation Category 4: H332 Harmful if inhaled.		
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.				
<b>2.2. Label elements</b>				
Labelling according to Regulation (EC) No. 1272/2008 [CLP]				
				
Hazard pictograms:	GHS07			
Hazardous components which must be listed on the label:	• Sodium fluorosilicate			
CLP Signal word:	<b>Warning</b>			
Hazard statements:	H302: Harmful if swallowed.			
	H315: Causes skin irritation.			
	H332: Harmful if inhaled.			
<b>Precautionary statements:</b>				
General 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.			
Prevention Statements:	P261: Avoid breathing dust/fume/gas/mist/vapors/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.			
	P280: Wear protective gloves/protective clothing/eye protection/face protection.			
Response Statements:	P317: Get emergency medical help.			
	P321: Specific treatment (see ... on this label).			
	P330: Rinse mouth.			

# Cutworm Bait

## Safety Data Sheet

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



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	P301+P317: IF SWALLOWED: Get medical help.
	P302+P352: IF ON SKIN: wash with plenty of water
	P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P332+P317: If skin irritation occurs: Get medical help.
	P362+P364: Take off contaminated clothing and wash it before reuse.
	P391: Collect spillage.
<b>Storage Statements:</b>	P403+P233: Store in a well-ventilated place. Keep container tightly closed.
<b>Disposal Statement:</b>	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.
<b>2.3. Other hazards</b>	
	This substance is not classified as PBT or vPvB according to current criteria.

### SECTION 3: Composition/information on ingredients

<b>3.1. Substances</b>					
	Bait (ready for use) (B)				
	Biocidal product				
<b>3.2. Mixtures</b>				<b>Classification according to Regulation (EC) No. 1272/2008 [CLP]</b>	
<b>Chemical Name</b>	<b>CAS-No.</b>	<b>EC – Number</b>	<b>Conc. % by weight</b>	<b>Classification</b>	<b>Warning Symbols</b>
Sodium fluorosilicate disodium;hexafluorosilicon(2-) <small>(Hazard classification of this material is based on the worst possible case)</small>	16893-85-9	240-934-8	10 %	Acute Tox. 3: H301. Acute Tox. 3: H311. Acute Tox. 3: H331.	
Other ingredients (non-hazardous) to 100%		Balance		100 %	
<b>Further information</b>					
For the full text of the Hazard statements mentioned in this Section, see Section 16.					

### SECTION 4: First aid measures

<b>4.1. Description of first aid measures</b>	
General Advice	Remove contaminated clothing immediately and dispose of safely.
First-aid measures after inhalation	Remove victim to fresh air. Give artificial respiration only if breathing has stopped. If breathing is difficult, give oxygen. Seek medical attention.
First-aid measures after skin contact	Remove contaminated clothing. Rinse skin with lukewarm, gently flowing water for 30 minutes. Seek medical attention.
First-aid measures after eye contact	Immediately flush eye(s) with lukewarm, gently flowing water for 30 minutes while forcibly holding the eyelids open to ensure complete irrigation of the eye tissue. If irritation persists, seek medical attention.
First-aid measures after ingestion	Seek immediate medical attention. Give water to dilute. Do not induce vomiting unless directed by medical personnel. Advise medical personnel of possible fluoride exposure.
<b>4.2. Most important symptoms and effects, both acute and delayed</b>	
	In all cases of doubt, or when symptoms persist, seek medical attention
<b>4.3. Indication of any immediate medical attention and special treatment needed</b>	
	No specific measures were identified.

### SECTION 5: Firefighting measures

<b>5.1. Extinguishing media</b>	
<b>5.1.1 Suitable</b>	Use alcohol-resistant foam, dry chemical or carbon dioxide.
<b>5.1.2 Unsuitable</b>	Water jet.
<b>5.2. Special hazards arising from the substance or mixture</b>	
	Flammable liquid and vapour. Toxic fumes may be released.
<b>5.3. Advice for firefighters</b>	
	<b>Special protective equipment for fire-fighters</b>
	In the event of fire and/or explosion do not breathe fumes. Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.
<b>5.3. Further information</b>	
	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.

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### SECTION 6: Accidental release measures

<b>6.1. Personal precautions, protective equipment and emergency procedures</b>	
<b>6.1.1. For non-emergency personnel</b>	
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.
<b>6.1.2. For emergency responders</b>	
Protective equipment	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
<b>6.2. Environmental precautions</b>	
	Do not allow to enter soil, waterways or wastewater canal.
<b>6.3. Methods and material for containment and cleaning up</b>	
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.
<b>6.4. Reference to other sections</b>	
	Information regarding safe handling, see section 7. Information regarding personal protective equipment, see section 8. Information regarding waste disposal, see section 13.

### SECTION 7: Handling and storage

<b>7.1. Precautions for safe handling</b>	
Precautions for safe handling	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.
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.
<b>7.2. Conditions for safe storage, including any incompatibilities</b>	
Technical measures	Ground/bond container and receiving equipment.
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 <30°C
<b>7.3. Specific end use(s)</b>	
	Refer to the label and/or leaflet.

### SECTION 8: Exposure controls/personal protection

<b>Control parameters</b>				
Components	CAS-No.	Exposure limit(s)	Type of exposure limit	Source
Sodium fluorosilicate	16893-85-9	25 mg/m3	TWA	WEL
<b>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.</b>				
Appropriate engineering controls:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.			
Hand protection:	Chemical resistant nitrile rubber gloves.			
Eye protection:	Tightly fitting safety goggles.			
Skin and body protection:	Wear long-sleeved shirt and long pants and shoes plus socks.			
Respiratory protection:	When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.			
				

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General protective measures:	Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry.
Environmental exposure controls:	Avoid release to the environment.

### SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties	
1. Physical state	Solid
2. Colour	Blue
3. Odour	Slightly pungent
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	Non-Flammable
8. Lower and upper explosion limit	No data available
9. Flash point	No data available
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	Insoluble.
15. Partition coefficient octanol / water (log value)	No data available
16. Vapour pressure	No data available
17. Density Solubility	1.1 g/ml (20°C)
18. Relative density	1.1
19. Particle characteristics	No data available
9.2. Other information	
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	
	Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
10.5. Incompatible materials	
	Store only in the original container.

### SECTION 11: Toxicological information

11.1. Information on toxicological effects	
Acute toxicity	: Not classified
Final acute toxicity classification formulated Product	
LD50 oral rat	LD50 (rat) 1,000 mg/kg
LD50 dermal rat	LD50 (rat) 3.333 mg/kg
LC50 inhalation rat (mg/l)	LC50 (Rat) 5 mg/l
Sodium Fluorosilicate	
LD50 oral rat	LD50 (rat) 100 mg/kg
LD50 dermal rat	LD50 (rat) 300 mg/kg
LC50 inhalation rat (mg/l)	LC50 (Rat) 0.5 mg/l
ATE CLP (vapours)	Based on the available data the classification criteria are not met.
ATE CLP (dust, mist)	Based on the available data the classification criteria are not met.
STOT-single exposure	Based on the available data the classification criteria are not met.
STOT-repeated exposure	Based on the available data the classification criteria are not met.
Aspiration hazard	Dust may irritate the eyes and the respiratory system. The severity of the symptoms described will vary depending on the condition and length of exposure.
Assessment mutagenicity	Based on the available data the classification criteria are not met.
Assessment carcinogenicity	A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC.
Assessment toxicity to reproduction	Based on the available data the classification criteria are not met.

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Assessment developmental toxicity	Not classified
<b>Further information</b>	Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Product dust may be irritating to the eyes, skin and respiratory system.






### SECTION 12: Ecological information

<b>12.1. Toxicity</b>	
<b>Ecology - general:</b>	Very toxic to aquatic life with long lasting effects.
<b>Sodium fluorosilicate</b>	
LC50 fish 1	Rainbow trout ( <i>Salmo gairdneri</i> ) 37.5 mg/l; Exposure time: 96 h
EC50 Daphnia 1	Water flea ( <i>Daphnia magna</i> ) 35.4 mg/l; Exposure time: 48 h
ErC50 (algae)	Pseudokirchneriella subcapitata (Green algae) 18 mg/l; Exposure time: 72 h
Bees LD50 (oral)	No data available.
Bees LC50 (contact)	No data available.
Earthworm LC50 (14 days)	No data available.
Birds Oral LD50	No data available.
<b>12.2. Persistence and degradability</b>	
Persistence and degradability	No data available.
Koc	No data available.
<b>12.3. Bioaccumulative potential</b>	
Log Pow	No data available.
Bioaccumulative potential	No data available.
<b>12.4. Mobility in soil</b>	
Ecology - soil	No data available.
<b>12.5. Results of PBT and vPvB assessment</b>	
	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.

### SECTION 13: Disposal considerations

<b>13.1. Waste treatment methods</b>	
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
<b>14.1. UN number</b>				
2674	2674	2674	2674	2674
				
<b>14.2. UN proper shipping name</b>				
SODIUM FLUOROSILICATE	SODIUM FLUOROSILICATE	SODIUM FLUOROSILICATE	SODIUM FLUOROSILICATE	SODIUM FLUOROSILICATE
<b>Transport document description</b>				
UN 3674 N.O.S. (SODIUM FLUOROSILICATE), 6.1, III, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 2674 N.O.S. (SODIUM FLUOROSILICATE), 6.1, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 2674, N.O.S. (SODIUM FLUOROSILICATE), 6.1, III, ENVIRONMENTALLY HAZARDOUS	UN 2674 N.O.S. (SODIUM FLUOROSILICATE), 6.1, III, ENVIRONMENTALLY HAZARDOUS	UN 2674, N.O.S. (SODIUM FLUOROSILICATE), 6.1, III, ENVIRONMENTALLY HAZARDOUS
<b>14.3. Transport hazard class(es)</b>				
6.1	6.1	6.1	6.1	6.1

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<b>14.4. Packing group</b>									
III		III		III		III		III	
<b>14.5. Environmental hazards</b>									
Dangerous for the environment : No		Dangerous for the environment : No Marine pollutant : No		Dangerous for the environment : No		Dangerous for the environment : No		Dangerous for the environment : No	

### SECTION 15: Regulatory information

<b>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
Registration No.	L1100 / N-AR0128 / W130192
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.	
Hazard statements:	<b>DO NOT APPLY TO CROPS INTENDED FOR HUMAN AND ANIMAL CONSUMPTION EXCEPT AT SEEDLING STAGE.</b> Poisonous when swallowed and moderately toxic by skin contact. Toxic to fish and bees and moderately toxic to wildlife. Keep out of reach of children, uninformed persons and animals.
WHO-classification:	III (Slightly hazardous)
Classification according to GHS:	Category 4
IRAC Insecticide Group Code:	N/A
<b>15.2. Chemical safety assessment</b>	
No chemical safety assessment has been carried out	

### SECTION 16: Other information

<b>Indication of changes:</b>			
Section	Changed item	Change	Comments
<b>Full text of H- and EUH-statements:</b>			
H301	Toxic if swallowed.		
H311	Toxic in contact with skin.		
H331	Toxic if inhaled.		
<b>Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:</b>			
Acute. tox. 4	H302	Calculation method.	
Acute. tox. 5	H315	Calculation method.	
Acute. tox. 4	H332	Calculation method.	
<b>HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)</b>			
Health - 2	Flammability - 0	Physical Hazard - 1	PPE - 2
0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard			
<b>Abbreviations and acronyms</b>			
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)		

# Cutworm Bait

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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.
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.

**This safety data sheet provides health and safety information. This product is to be used in applications with best use practice. The product information in this data sheet is to the best of our knowledge correct as at the date of publication. Agro-Serve (Pty) Ltd does not accept responsibility for damage caused by incorrect use of this information.**

**Training and related advice: This document contains important information to ensure the safe storage, handling of this product. It is the responsibility of your organisation to ensure that the information contained in this document is communicated to staff and that all necessary training has been given.**

**This information is provided in good faith but without express or implied warranty. The customer assumes all responsibility for safety and use not in accordance with label instructions.**

Prepared BY: Nico Lionel van der Westhuis – Technical Support Marketing

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**End of Safety Data Sheet**