SNAP FLY BAIT – SDS

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1) IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Product identifier

Identification as on the label/Trade name: Snap

Relevant identified uses of the substance or mixture and uses advised against
Intended use: Control of Flies and Mosquitoes.
Uses advised against: Use only as directed.

Details of the supplier of the safety data sheet
Manufactured & Distributed by:
Synvita (PTY) LTD
Registration Holder:
Lifeguard Sciences (PTY) LTD
Reg. No. 2014/079879/07
3 Pentrich Road, Masons Mill, South Africa
Pietermaritzburg, 3201
+27 33 346 1920

Emergency telephone numbers: Griffon Poison Information Centre (082) 446 8946

2) HAZARDS IDENTIFICATION

Classification of the substances or mixture
The mixture is classified according to

SANS 10234:2008, Regulation EC 1272/2008 [EU-GHS/CLP]	
Hazard classes/Hazard categories	Hazard statement
Acute Toxicity, Oral Category 4	Harmful if swallowed.
Aquatic Chronic, Category 1	Very toxic to aquatic life with long lasting effects.

For full text of H statements see section 16

The most important adverse effects
The most important adverse physiochemical effects: None
The most important adverse human health effects: Harmful if swallowed.
Label elements

Hazard Pictograms:

Signal word: WARNING!

Hazard Statements:
H302 Harmful if swallowed.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements: P264 Wash the affected area thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P301+ P317 IF SWALLOWED: Get medical help. P330 Rinse mouth. P273 Avoid release to the environment. P391 Collet spillage. P501 Dispose of the contents in accordance with the local regulation.

Special labelling of certain mixtures: None

Other hazards: None

3) COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture
Ingredients:

Substance name (IUPAC/EC)	Cas-No. EC-No.	Concentration % by weight	Classification EC1272/2008
Methomyl Tech 98%	16752-77-5 240-815-0	1-10%	Acute Toxicity Oral Category 2: H300 Aquatic Acute, Category 1: H400 M=100 Aquatic Chronic, Category 1 H410 M=100
(Z)-9 Tricosene 60%	27519-02-4 248-505-7	<1%	Skin Sensitization Category 1B: H317
Bitrex	3734-33-6 223-095-2	<0.1%	Acute Toxicity Oral Category 4: H302 Acute Toxicity Inhalation Category 2: H330 Eye Damage Category 1: H318

For full text of H statements see section 16

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

4) FIRST AID MEASURES

Description of first aid measures: If misuse of this product results in accidental illness: SEEK MEDICAL ADVICE PROMPLTY AND SHOW THIS SDS TO THE MEDICAL PRACTIONER.
In case of inhalation: If inhaled, remove to fresh air. If not breathing, give artificial breathing. If breathing is difficult, give oxygen. Get medical attention immediately.
In case of skin contact: In case of contact, wash skin with soap and water for at least 15 minutes (do not rub skin hard). Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
In case of eye contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

In case of ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
Most important symptoms and effects, both acute and delayed: May cause allergic skin reaction.
Indication of any immediate medical attention and special treatment needed: Immediate medical attention is required if exposure to the product. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

5) FIRE FIGHTING MEASURES

Extinguishing media
Suitable extinguishing media: Foam, carbon dioxide, water fog or dry powder extinguishers. Sand or earth may be used for small fires only.
SMALL FIRE: See above.
LARGE FIRE: See above.
Unsuitable extinguishing media: Do not use high volume water jet, due to contamination risk.

Special hazards arising from the mixture.
Specific Hazard: Contents are combustible but not volatile.

Specific extinguishing methods:
Remove spectators from surrounding area. Isolate the fire area and evacuate all personnel downwind of the fire. Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Keep upwind. Avoid inhaling hazardous vapours and fumes from burning materials. Remove container from fire area if possible and without risk. Do not use high volume water jet, due to contamination risk. Do not scatter the burning material. Water can be used to cool unaffected containers but must be contained for later disposal. Contain fire control agents for later disposal. Avoid pollution of waterways by run-off from the site. Decontaminate area thoroughly by removing all spillage.

Advice for fire-fighters:
Wear NIOSH/MSHA approved self-contained breathing apparatus and full protective gear. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6) ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
For non-emergency personnel: Keep all personal and avoid contact.
For emergency responders: Wear appropriate personal protective equipment. Avoid contact and ventilate area of the spill or leakage.
Protective equipment: Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill.
Emergency procedures: Alert fire-fighting personnel, evacuate unprotected personal and animals.
Environmental precautions: Prevent spilled product from entering sewers, waterways or ground water. This product is classified to be harmful to aquatic organisms with long lasting effects in the aquatic environment. Any spillages or uncontrolled discharges into watercourses should be reported immediately to the police and the Department of Water/Environmental Affairs.
Methods and materials for containment and cleaning up:
Material for containment and cleaning up: Cover spillage with sand, earth, or other suitable inert material, carefully shovel up and transfer to salvage container, mark container “HAZARDOUS WASTE”. Dispose of as for hazardous waste in accordance with local / national regulations. Do not re-use spill material. Collect washings and add to the drums already collected. Do not flush spilled material or washings into drains or waterways. To decontaminate the spill area, tools and equipment, wash with water and suitable detergent. See section 13 for disposal considerations.
For small spills Clean and place in appropriate waste disposal container. Follow local and regional authority requirements.
For large spills Clean and place in appropriate waste disposal container. Follow local and regional authority requirements.

Reference to other sections:
See section 7 for information on safe handling.
See section 8 for information on personal protection equipment.
See section 13 for information on disposal.
Additional information:
None.

7) HANDLING AND STORAGE

Precautions for safe handling: Store Snap in their original packaging away from any edible commodity, food utensils and drinking water. Avoid contact with the skin by wearing rubber gloves and wash exposed skin area after handling. Do not eat, drink, or smoke while handling the bait or before washing hands and face.

Protective measures: Observe directions on label and instructions for use.
Advice on general occupational hygiene: practice good hygiene when using this material. Wash hands before eating, drinking, chewing gum, smoking, using the toilet, or applying cosmetics. Worker should shower at the end of each workday. Launder all clothing before it is re-used. Do not eat, drink or smoke when handling this product.

Incompatible substances: Store away from incompatible materials, heat, sun and source of ignition. Keep away from oxidizing agents and acids.
Specific end uses: Not applicable.

Precautions for safe handling: During application and when cleaning equipment ant protective clothing, contamination of all sources of drinking water, rivers, dams, other crops, or grazing shall be prevented. The material is toxic to fish, birds, and wildlife. Prevent consumption and contact with the skin.

Conditions for safe storage, including any incompatibilities. Store away from food and foodstuffs.

Specific end use(s) The identified uses for this product are detailed in Section 1.2.
Usage description See Product Information Sheet & Label for detailed use of this product.

8) EXPOSURE CONTROL/PERSONEL PROTECTION

Control parameters:
Occupational exposure limits (OEL): None known.
Biological exposure indices (BEI): None known.
Additional exposure limits under the conditions of use: None known.
Exposure control: ***Appropriate engineering controls:*** Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Where there is possibility that an employee's eyes may be exposed to this substance; the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.
Respiratory protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998.
Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.
Hand protection: It is a good industrial hygiene practice to prevent skin contact. Use rubber/chemical impermeable gloves.

Eye/face protection: Risk of contact: Wear approved safety goggles. Contact lenses is not protective eye devices.
Skin and body protection: Employee must wear appropriate proactive impervious clothing: rubber boots, hat and equipment to prevent repeated or prolonged skin contact when working with chemicals. Do not wear leather clothing. Apron and long sleeves are recommended.
Environmental exposure controls: Environmental manager must be informed of all major spillages.

9) PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	: Granules.
Colour	: Yellow.
Odour	: Sulphurous odour.
Melting point/ freezing point (°C)	: Not known.
Boiling point/Range (°C)	: Not known.
Flammability	: Non-flammable.
Flammability limit	: Not known.
Flash point (°C)	: Not known.
Auto-ignition temperature	: Not known.
Decomposition temperature	: Not known.
pH	: Not known.
Kinematic viscosity	: Not known.
Solubility	: 58mg/L in water of 25℃.
Partition coefficient	: Not known.
Vapour pressure (°C)	: Not known.
Density	: Not applicable.
Relative vapour density	: Not applicable.
Particle characteristics	: Granules.

Physical hazards:
Explosive properties: Not known.
Oxidising properties: Not known.
Other information:
Fat solubility (solvent-oil to be specified): Not known.
Bulk density: Not known.
Dissociation constant in water (p Ka): Not known.
Oxidation-reduction potential: Not known.

10) STABILITYAND REACTIVITY

Reactivity: There are no risks of reaction with other substances in normal conditions of use.
Chemical stability: The product is stable in normal conditions of use and storage. Maintain between 4°C and 30°C.
Possibility of hazardous reactions: No hazardous reactions are foreseeable in normal conditions of use and storage.
Conditions to avoid: Incompatible material. High temperature. Poor ventilation. Contamination. Moisture/high humidity.
Incompatible materials: Store away from incompatible materials, heat, sun and source of ignition. Keep away from oxidizing agents and acids.
Hazardous Decomposition Products: Avoid inhalation of fumes.

11) TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Acute Oral LD_{50} (rat)	300-2000 mg/kg Classified.
Acute Dermal LD_{50} (rats):	Not classified as hazardous.
Acute Inhalation LC_{50} 4 h 20 ºC (rats)	>5.0 mg/L, Not classified.
Skin irritation/ corrosion (rabbits)	Not a skin irritant.
Eye damage / irritation (rabbits)	Not an eye irritant.
Respiratory or skin sensitization	Not a sensitizer.
Germ cell mutagenicity	Not a mutagen.
Carcinogenicity	Not carcinogenic.
Reproductive toxicity	Not classified as hazardous.
Specific Target Organ Toxicity STOT single exposure	Not classified as hazardous.
Specific Target Organ Toxicity STOT repeated exposure	Not classified as hazardous.
Aspiration hazard	Not classified as hazardous.

12) ECOLOGICAL INFORMATION

Anticipated behaviour of the chemical product in the environment /possible environmental impact/ecotoxicity:

Acute Toxicity	
Birds: LD_{50} for bobwhite quail and mallard ducks Dietary LC_{50} (8 d) for bobwhite quail and mallard ducks	 Not known Not known
Fish - LC_{50} ($EqNOEC_m$) 96h	 0.63 mg/L
Daphnia – toxic to Daphnia EC_{50} (48 h)	 0.007 mg/L
Algae EC_{50} ($EqNOEC_m$) for algae	 100 mg/L
Bees: LC_{50} (oral) LD_{50} (topical)	 Not known Not known
Worms Acute LC_{50} (14 d)	 Not known

Persistence and degradability: Information not available.
Bioaccumulative potential: Information not available
Mobility in soil: Information not available
Results of the PBT and vPvB assessment: Information not available.

13) DISPOSAL CONSIDERATION

Waste treatment methods:
General Information: Do not discharge into drains, water courses or onto the ground. Discharge, treatment or disposal may be subject to national, state, or local laws. Empty containers may contain product residues. Open dumping or burning is prohibited. Waste resulting from the use of this product cannot be reused or re-processed. Never pour untreated waste or surplus product into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate rivers, dams or any other water sources with the product or used containers.
Comply with local legislation applying to waste disposal. The product may be taken to a registered waste disposal site or incineration plant.
Disposal Methods: Triple rinse empty pesticide containers or packages by triple rinsing before disposal. Quarter-fill the empty packaging with water, close and shake for 30 seconds. Empty the content by placing it upside down over disposal backet.

Dispose of empty aerosol containers through the municipal waste system. Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site.
Container: Rince empty container three times with a volume of water equal to 10% of that of the container. Add the rinsing to the contents of the spray tank. Destroy empty container and do not re-use for any other purpose.

Product/ packaging disposal:
Treat as hazardous waste and dispose of in accordance with municipal, provincial and national regulations.

14) TRANSPORT INFORMATION

UN Number: 2757
UN proper shipping name: Carbamate pesticides, solid, toxic
UN Classification [transport hazard class(es)]: 6.1
Packing group (if applicable): III
Marine pollutant (Y/N): Yes

15) REGULATORY INFORMATION

Safety, health and environmental regulations/legislation for the mixture:
Relevant information regarding authorization: Occupational Health and Safety Act 1993 Regulation for Hazardous Chemical Substances.
Relevant information regarding restrictions:
EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP] and EU directives 67/548/EEC or EC 1999/45/EC.
Other National regulations: National Road Traffic Act, 1996 (ACT NO. 93 of 1996).
SANS 11014:2010 – Safety data sheet for chemical products, Content and order section.
SANS 10228:2012- The identification and classification of dangerous goods for transport by road and rail modes.
National Environmental Management: Waste Act 59 of 2008.
Chemical Safety Assessment carried out? No.

16) OTHER INFORMATION

Indication of changes:
GHS aligned.
Relevant classification and H statements (number and full text):
H302 Harmful if swallowed.
H410 Very toxic to aquatic life with long lasting effects.
Training instructions:
Use as indicated on the label, special training may be required for application.
Further information:
This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.
Notice to readers:
To the best of our knowledge, the information contained herein is accurate and is based on the present state of our knowledge and does not therefore guarantee specific properties. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for any accuracy or completeness of the information contained herein.
Final determinations of suitability of any material are sole responsibility of the users, who must take responsibility for observing existing laws and regulations. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.