Select TCS Tick Control System

Safety Data Sheet

SDS Number 000000000001

SECTION 1: Identification

1.1. Identification

Product name : Select TCS Tick Control System

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : For use by Professional Pesticide Management Professionals and Public Health Departments in the Control of Deer Ticks which may carry Lyme Disease.

1.3. Details of the supplier of the safety data sheet

Tick Box Technology Corporation
15 Chapel St.
Norwalk, CT 06850
T 1-203-852-7171

1.4. Emergency telephone number

1-800-222-1222

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

Classification in accordance with regulation HCS 29CFR §1910.1200
Specific target organ toxicity – repeated exposure: Category 1

Signal word: Warning

Hazard statements

May cause damage to organs (liver) through prolonged or repeated exposure.
Harmful if swallowed, Harmful if inhaled, Harmful in absorbed through skin.
May cause mild irritation to eyes.

Precautionary statements

Wash thoroughly after handling.
Do not breathe vapors or mists.
Get medical advice/attention if you feel unwell.
Dispose of contents/container in accordance with local regulation.

2.2. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

SELECT TCS Tick Control System consists of treated wicks with the active ingredient Fipronil.

3.2. Mixture

Hazardous Component Name	Product identifier	Concentration % by weight
Fipronil	(CAS No) 120068-37-3	0.7000

SECTION 4: First aid measures SDS Number: 000000000001

4.1. Description of first aid measures

First-aid measures after inhalation : Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

First-aid measures after skin contact : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

First-aid measures after eye contact : Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

First-aid measures after ingestion : Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Notes to physician : In severe cases of overexposure by oral ingestion, lethargy, muscle tremors, and, in extreme cases, possibly convulsions, may occur.

Treatment :

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : Harmful if inhaled. May produce symptoms similar to those from ingestion. May cause shortness of breath, excitement, involuntary shaking, convulsions, and irritability.

Symptoms/injuries after skin contact : Harmful if absorbed through skin. Avoid contact with skin or clothing. May be minimally irritating to the skin following prolonged direct contact. May produce symptoms similar to those from ingestion.

Symptoms/injuries after eye contact : May cause mild irritation to eyes. Avoid contact with eyes.

Symptoms/injuries after ingestion : Harmful if swallowed. May cause shortness of breath, involuntary shaking, convulsions, and excitement.

4.3. Indication of any immediate medical attention and special treatment needed

There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

TREATMENT FOR FIPRONIL OVERDOSE:

Recommendations for treatment are based on anticonvulsant therapy as routinely administered to humans. Phenobarbital or diazepam may be useful in controlling convulsions induced by Fipronil.

Even when symptoms of Fipronil intoxication are rapidly reversed by treatment, the treatment must be continued for several days, gradually decreasing the dose of anticonvulsant based on the patient's clinical response. This is necessary due to the slow elimination of the compound.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry chemical, Foam, Water, Carbon dioxide (CO2)

Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Under fire conditions, toxic, corrosive fumes are emitted.

Explosion hazard : None known.

5.3. Advice for firefighters

Protection during firefighting : Firefighters should wear full protective gear.

SECTION 6: Accidental release measures SDS Number: 000000000001

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : No special measures required.

Methods for cleaning up : If spilled on the ground, the affected area should be scraped clean and placed in an appropriate container for disposal. Decontaminate tools and equipment following cleanup. Avoid creation of dusty conditions.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing. Avoid breathing vapors and mists. Do not ingest. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wash exposed skin promptly to remove accidental splashes of contact with this material. Remove and wash contaminated clothing before re-use. As soon as practical, wash thoroughly and change into clean clothing. Contaminated clothing should not be taken home or laundered with other clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Do not contaminate water, food, or feed by storage or disposal. Store unused boxes out of reach of children and animals. Store away from heat or sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Engineering controls are not necessary under most routine use and handling conditions. Maintain exposure levels below the applicable exposure limit through the use of general and local exhaust ventilation.

Hand protection : Impervious butyl rubber gloves.

Eye protection : None required under normal product handling conditions.

Skin and body protection : Wear suitable working clothes.

Respiratory protection : None required under normal product handling conditions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color : Colorless.

Odor : odorless

Odor threshold : No data available

pH : 7 (1% in distilled water)

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Flammability (solid, gas) : No data available

Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: 240 °C
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

Direct sunlight, exposure to extreme heat..

10.5. Incompatible materials

Strong bases, Strong acids, Strong oxidizing agents.

10.6. Hazardous decomposition products

Hydrogen fluoride, oxides of nitrogen, sulfur and carbon. Hydrochloric acid.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Note: Data for the acute information is based on studies performed on a similar formulation with 2.5% Fipronil.

Acute toxicity : Oral: Harmful if swallowed. Dermal: Harmful in contact with skin. Inhalation: Harmful if inhaled.

Fipronil (120068-37-3)	
LD50 oral rat (male)	3529 mg/kg
LD50 oral rat (male and female)	3208 mg/kg
LD50 dermal	> 4000 mg/kg
LC50 inhalation	> 5 mg/l MMAD = 2.6 micrometers with GSD of 1.95

Skin corrosion/irritation : Not classified
pH: 7 (1% in distilled water)

Serious eye damage/irritation : Not classified
pH: 7 (1% in distilled water)

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Assessment repeated dose toxicity : Fipronil caused specific target organ toxicity in experimental animal studies in the following organ(s): liver. Fipronil caused neurobehavioral effects and /or neuropathological changes in animal studies.

Assessment Carcinogenicity	
ACGIH	None
NTP	None
IARC	None
OSHA	None

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to birds, fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment washwater. Contain runoff to prevent entry into sewers or waterways.

Acute and Prolonged Toxicity to Fish

The following data is based on the technical grade active ingredient(s).

Rainbow trout Flow-through test LC50: 248 µg/l Exposure Time: 96 h Mean concentration.

Bluegill sunfish Flow-through test LC50: 85 µg/l Exposure Time: 96 h Mean concentration

Acute Toxicity to Aquatic Invertebrates

The following data is based on the technical grade active ingredient(s).

Daphnia
Flow-through test
EC50: 248 µg/l
Exposure limit: 48 h
Mean concentration

Toxicity Other Non Mammal Terr. Species

The following data is based on the technical grade active ingredient(s).

Mallard Duck
LC50: > 5,000 mg/kg
Exposure Time: 8 d
Dietary concentrations. Mean concentrations.

Bobwhite quail
LC50: 48 mg/kg
Exposure Time: 8 d
Dietary concentrations. Mean concentration.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations SDS Number: 000000000001

13.1. Waste treatment methods

Waste disposal recommendations : Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport

SECTION 15: Regulatory information

15.1. US Federal regulations

EPA Registration No. 85306-1

US Federal Regulations

TSCA list

None

US. Toxic Substance Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, SubptD)

None

SARA Title III - Section 302 – Notification and Information

None

SARA Title III – Section 313 – Toxic Chemical Release Reporting

None

Canadian Regulations

Canadian Domestic Substance List

None

Environmental

CERCLA

None

Clean Water Section 307 Priority Pollutants

None

Safe Water Drinking Act Maximum Contaminate Levels

None

EPA/FIFRA Information:

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide 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:

Signal word: Caution!

Hazard statements: Caution! Harmful if swallowed, inhaled or absorbed through skin.
May cause mild irritation to eyes.
Avoid contact with skin, eyes and clothing.
Wash thoroughly with soap and water after handling.

15.2. US States Regulatory Reporting

CA Prop65

This product does not contain any substances known to the state of California to cause cancer.

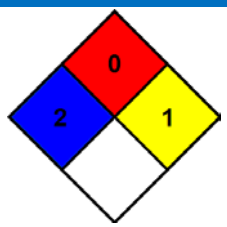
This product does not contain any substances known to the state of California to cause reproductive harm.

US State Right-To-Know Ingredients

None

SECTION 16: Other information

NFPA health hazard	2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
NFPA fire hazard	0 - Materials that will not burn.
NFPA reactivity	1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.



This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

Reason for Revision: Revised according to the current OSHA Hazard Communication Standard. (29CFR1910. 1200)

Revision Date: 08/05/2015