



**CITY OF BURLINGTON
BOARD OF HEALTH**

645 Pine Street
Post Office Box 849
Burlington, VT 05402-0849
802-863-0442
802-652-4221 FAX
802-863-0450 TTY

BOARD OF HEALTH

David Casey, RN, Chair; Mary D. Hart, RN; Julie Hathaway, MD, PhD; Taylor Newton; Caroline Tassey, APRN

HEALTH OFFICER

William Ward, Director of Code Enforcement

The mission of the BOH is to educate the citizens of Burlington and to promote, improve and protect their health and well-being while contributing toward building a healthy community and environment in which to live.

**AMENDED AGENDA FOR REGULAR MEETING OF
BURLINGTON BOARD OF HEALTH**

Main Conference Room, 645 Pine St

Thursday, 21 March 2019 at 6:00 PM

1. Approvals
 - Agenda & February meeting minutes
2. Public Forum / Emerging Issues
3. Emerald Ash Borer update – VJ Comai, City Arborist
4. Deputy Town Health Officer Nomination
 - Recommendation of Steve Cormier by Town Health Officer William Ward
5. Update on marijuana legalization info card
6. Chair's report
7. Discussion on FY19 Budget
8. Public outreach/communications
 - Language for FPF update
9. Next Meeting – currently set as 11 April 2019
10. Adjournment

An Equal Opportunity Employer

This material is available in alternative formats for persons with disabilities. To request an accommodation, please call 802.863.0442 (voice) or 802.863.0450 (TTY).

ARBORMECTIN

Safety Data Sheet

information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Signal word	: CAUTION
Hazard statements	: Harmful if swallowed or absorbed through skin. Causes moderate eye irritation.
Precautionary statements	: Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

SARA 313 Regulated Chemical(s): Not applicable

Title III hazard classification:

Acute Health Hazard: Yes

Chronic Health Hazard: No

Fire: No

Reactivity/Physical hazard: No

Pressure: No

CERCLA/DOT Reportable Quantities (RQ)

Not applicable.

Canadian Regulatory Information:

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. WHMIS Classification: D2B – Toxic

SECTION 16: Other information

MSDS US

***Disclaimer:** The information provided by Rotam North America, Inc. contained herein is given in good faith and correct to the best of our knowledge. However, the information given is designed only as guidance for safe handling, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.*

ARBORMECTIN

Safety Data Sheet

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Pesticide Disposal: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, if allowed by state and local authorities Stay out of smoke from burning container.

SECTION 14: Transport information

Not Regulated by US DOT or Canadian TDG for ground shipment

Ground transport

Not Regulated by US DOT

Not Regulated by Canadian TDG

Transport by sea (IMDG)

UN 3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Emamectin Benzoate); 9; III; Marine Pollutant

Air transport (IATA)

UN 3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Emamectin Benzoate); 9; III

Additional Air, Sea and International Transportation Information

UN-No.	: 3082
Proper Shipping Name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Emamectin Benzoate)
Transport document description	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Emamectin Benzoate), 9, III
Class (UN)	: 9
Hazard labels (UN)	: 9



Packing group (UN)	: III
Marine Pollutant (Y/N)	: Y
Dangerous for the environment	:



SECTION 15: Regulatory information

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

ARBORMECTIN

Safety Data Sheet

ARBORMECTIN

Irritation	: Skin – Not a skin irritant. Eye – Mild irritant
Corrosivity	: Not corrosive to eyes or skin
Sensitization	: Not a skin sensitizer

Chronic/sub-chronic toxicity data for ARBORMECTIN is not available. Data for active ingredients is provided below:

Emamectin Benzoate

Carcinogenicity	: Emamectin Benzoate is not listed as a carcinogen by IARC, NTP, OSHA or ACGIH.
Reproductive & Developmental toxicity	: Reproductive toxin in animal studies only at doses acutely toxic to the maternal animal
Neurotoxicity	: Emamectin Benzoate affects the central nervous system in animals. Tremors and nerve lesions observed at lowest dose tested in rabbits.
Mutagenicity	: Emamectin Benzoate is not genotoxic or mutagenic.
Other	: Bladder changes reported in rats. Ingestion results in central nervous system effects such as muscle tremors, decreased activity, ataxia, and dilated pupils.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological Summary

ARBORMECTIN is highly toxic to aquatic organisms and bees. 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 wash water.

Ecotoxicity data

Ecotoxicity data are not available for ARBORMECTIN. Active ingredient data are given below:

Emamectin Benzoate	
Fish (Rainbow Trout 96 hr.)	LC50: 0.174 mg/L
Daphnia (48 hr.)	EC50: 0.001 mg/L
Green algae (5-day)	EC50: >0.0039 mg/L
Acute toxicity to Honey bee	LD50 0.0036 µg/bee (Highly toxic to bees)
Acute toxicity mallard ducks, 14-day	46 mg/kg

12.2. Persistence and degradability

This product is not readily biodegradable. .

12.3. Bioaccumulative potential

Aquatic hydrolysis, volatilization, adsorption to sediments, and bioconcentration are not expected to be significant.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

ARBORMECTIN

Safety Data Sheet

Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No flash to boiling (>101 °C (>214 °F))
Self-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non- flammable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Density/bulk density	: 1.064 g/mL at 20 °C
Solubility	: Miscible with water
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: 37.3 mPa.s at 20 °C
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: No oxidizing properties
Explosive limits	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable at normal handling and storage conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Protect from heat.

10.5. Incompatible materials

Strong oxidizers

10.6. Hazardous decomposition products

May produce toxic or irritating gases under extreme heat or fire conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity data for ARBORMECTIN are provided below:

ARBORMECTIN	
LD50 oral rat	1098 mg/kg
LD50 dermal rabbit	>2000 mg/kg
LC50 inhalation rat (4 h)	>4.65 mg/L (equivalent to 18.6 mg/L – 1 hour)

ARBORMECTIN

Safety Data Sheet

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Remove clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Keep from freezing. Do not store food, beverages or tobacco products in the storage area.

SECTION 8: Exposure controls/personal protection

8.1. Personal protective equipment

Eye/Face Protection: To avoid contact with eyes, wear chemical goggles or shielded safety glasses. An emergency eyewash or water supply should be readily accessible to the work area.

Skin Protection: To avoid contact with skin, wear long pants, long-sleeved shirt, socks, shoes and chemical-resistant gloves (Category C such as barrier laminate; butyl rubber ≥ 14 mils; nitrile rubber ≥ 14 mils; or neoprene rubber ≥ 14 mils). An emergency shower or water supply should be readily accessible to the work area.

Respiratory Protection: Inhalation potential is low due to the method of application. If vapors or mists are present, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.

General Hygiene Considerations: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2) wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.

8.2. Exposure controls

Exposure limits have not been established for the active ingredients in this product. Other ingredient exposure limits are listed below, where applicable:

Tetrahydrofurfuryl alcohol (CAS – 97-99-4)

AIAH – Workplace Environmental Exposure Levels (WEELs – TWA) – 0.5 ppm

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Blue
Odor	: Mild characteristic
Odor threshold	: No data available
pH (1%)	: 5.02
Relative evaporation rate (butyl acetate=1)	: No data available

ARBORMECTIN

Safety Data Sheet

symptoms, and measurements. In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Since emamectin benzoate is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic emamectin benzoate exposure.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use dry chemical, foam or CO2 extinguishing media

Unsuitable extinguishing media : High volume water jet. (Water contamination risk from runoff)

5.2. Special hazards arising from the substance or mixture

Fire hazard : Toxic and irritating compounds may be released upon exposure to fire or intense heat

Explosion hazard : Product is not explosive.

Reactivity : The product is stable at normal handling- and storage conditions.

5.3. Advice for firefighters

Firefighting instructions : Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent runoff from entering drains, sewers or waterways. To fight large fires, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full-face piece operated in the positive pressure/demand mode. Full firefighting turnout gear (bunker gear): Any air respirator supplied with full face piece and operated in a pressure-demand or other positive pressure mode in combination with a separate escape supply. Any self- contained breathing apparatus with a full face piece.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8. Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, etc.) Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

6.1.1. For non-emergency personnel

Protective equipment : Wear appropriate personal protective equipment (PPE): Eye and face protection, coveralls, gloves, boots.

Emergency procedures : Avoid contact with spilled material

6.1.2. For emergency responders

Protective equipment : Wear appropriate personal protective equipment (PPE): Eye and face protection, coveralls, gloves, boots.

6.2. Environmental precautions

Prevent material from entering sewers, waterways, or low areas. Do not allow material to contaminate water systems.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Ventilate air. Cleanup personnel require protective clothing and respiratory protection.

ARBORMECTIN

Safety Data Sheet

GHS Labeling Elements

- H319 – Causes serious eye irritation
H411 – Toxic to aquatic life with long lasting effects
- Precautionary statements (prevention) : P264 – Wash thoroughly after handling
P270 – Do not eat, drink or smoke when using this product
P280 – Wear eye protection/face protection
P273 – Avoid release to the environment
- Precautionary statements (response) : P301+P312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P330 – Rinse mouth
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313 – If eye irritation persists: Get medical advice or attention
P391 – Collect spillage
- Precautionary statements (disposal) : P501 – Dispose of contents/container in accordance with federal, state and local regulations.

SECTION 3: Composition/information on ingredients

Name	Product identifier	%/wt.
Enamectin Benzoate	(CAS No.) 155569-91-8	4.0
Other Ingredients	NA	96.0

Contains 0.36 lb. Enamectin per gallon (43 g/L)

SECTION 4: First aid measures

4.1. Description of first aid measures

- IF ON SKIN OR CLOTHING** : 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.
- IF IN EYES** : 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 poison control center or doctor for treatment advice if irritation develops or persists.
- IF SWALLOWED** : 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 by a poison control center or doctor. Do not give anything to an unconscious person
- IF INHALED** : Move 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 treatment advice.
- First-aid measures – general : Early signs of intoxication include dilation of pupils, muscular incoordination, and muscular tremors. Vomiting within one-half hour of exposure can minimize toxicity following accidental ingestion of the product; rapidly after exposure (<15 minutes) administer repeatedly medical charcoal in a large quantity of water or ipecac.

If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parenteral fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels and proper respiratory functionality) as indicated by clinical signs,



ARBORMECTIN

Safety Data Sheet

US and GHS

Revision date: January 28, 2015

Version: 1.0

SECTION 1: Product and Company Identification

1.1. Product identifier

Trade name : ARBORMECTIN
Product code : EPA Reg. No. 83100-35-83979

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

1.2.1. Relevant identified uses

Use of the substance/preparation : Insecticide

1.2.2. Uses advised against

No data available

1.3. Details of the supplier of the safety data sheet

Rotam North America, Inc.
4900 Koger Blvd. Suite# 140
Greensboro, NC 27407
Phone: 1-(866) 927-6826 (toll free); 1-(336) 346-8802
msds@rotam.com

1.4. Emergency telephone number

Emergency number : (800)-424-9300 (CHEMTREC)
(800)-222-1222 (National Poison Information Center)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Classification of ARBORMECTIN

<u>Hazard Class</u>	<u>Category</u>	<u>Hazard Statement</u>
Acute Toxicity – Oral	4	H302
Eye Irritant	2	H319
Aquatic Toxicity -Chronic	2	H411

Full text of H-phrases: see table in "Label elements" below

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

GHS Labeling Elements

Hazard pictograms (CLP)



GHS07

GHS09

Signal word : WARNING

Hazard statements : H302 – Harmful if swallowed



MATERIAL SAFETY DATA SHEET

Syngenta Crop Protection, Inc.
Post Office Box 18300
Greensboro, NC 27419

In Case of Emergency, Call
1-800-888-8372

1. PRODUCT IDENTIFICATION

Product Name:	TREE-äge	Product No.:	A16297A
EPA Signal Word:	Warning		
Active Ingredient(%):	Emamectin Benzoate (4%)	CAS No.:	155569-91-8
Chemical Name:	Avermectin B1, 4"-deoxy-4"-(methylamino)-,(4"R)-, benzoate (salt)		
Chemical Class:	Insecticide		
EPA Registration Number(s):	Not Available		Section(s) Revised: 2, 3, 8, 16

2. HAZARDS IDENTIFICATION

Health and Environmental

Harmful if inhaled. May be harmful if swallowed. Causes eye and skin irritation. Vapors may cause drowsiness and dizziness. May be harmful if swallowed and enters airway.

Inhalation can cause irritation to the respiratory tract and can result in chemical pneumonitis if aspirated. Ingestion results in central nervous system effects such as muscle tremors, decreased activity, ataxia (unsteadiness or incoordination), and dilated pupils (mydriasis).

Hazardous Decomposition Products

None known.

Physical Properties

Appearance: Blue liquid

Odor: Aromatic

Unusual Fire, Explosion and Reactivity Hazards

During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Material	OSHA PEL	ACGIH TLV	Other	NTP/IARC/OSHA Carcinogen
Tetrahydrofurfuryl Alcohol (THFA)	Not Established	Not Established	0.5 ppm TWA ****	No
Emamectin Benzoate (4%)	Not Established	Not Established	0.02 mg/m ³ TWA ***	No

*** Syngenta Occupational Exposure Limit (OEL)

**** Recommended by AIHA (American Industrial Hygiene Association)

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.
Syngenta Hazard Category: D, S

4. FIRST AID MEASURES

Have the product container, label or Material Safety Data Sheet with you when calling Syngenta (800-888-8372), a poison

control center or doctor, or going for treatment.

- Ingestion:** If swallowed: Call Syngenta (800-888-8372), a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so after calling 800-888-8372 or by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
- Eye Contact:** If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call Syngenta (800-888-8372), a poison control center or doctor for treatment advice.
- Skin Contact:** If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call Syngenta (800-888-8372), a poison control center or doctor for treatment advice.
- Inhalation:** If inhaled: 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 Syngenta (800-888-8372), a poison control center or doctor for further treatment advice.

Notes to Physician

Contains petroleum distillate - vomiting may cause aspiration pneumonia.

Early signs of intoxication include dilation of pupils, muscular incoordination and muscular tremors. Vomiting within one-half hour of exposure can minimize toxicity following accidental ingestion of the product; rapidly after exposure (<15 minutes) administer repeatedly medical charcoal in a large quantity of water or ipecac. If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parental fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels and proper respiratory functionality) as indicated by clinical signs, symptoms and measurements.

In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Since emamectin benzoate is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic emamectin benzoate exposure.

Medical Condition Likely to be Aggravated by Exposure

None known.

5. FIRE FIGHTING MEASURES

Fire and Explosion

Flash Point (Test Method):	> 226°F (Pensky-Martens CC)	
Flammable Limits (% in Air):	Lower: Not Applicable	Upper: Not Applicable
Autoignition Temperature:	662°F	
Flammability:	Not Applicable	

Unusual Fire, Explosion and Reactivity Hazards

During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

In Case of Fire

Use dry chemical, foam or CO2 extinguishing media. Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. If water is used to fight fire, dike and collect runoff.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8. Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

7. HANDLING AND STORAGE

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

- Ingestion: Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.
- Eye Contact: Where eye contact is likely, use chemical splash goggles. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
- Skin Contact: Where contact is likely, wear chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride [PVC] or Viton), coveralls, socks and chemical-resistant footwear.
- Inhalation: A combination particulate/organic vapor respirator should be used until effective engineering controls are installed to comply with occupational exposure limits, or until exposure limits are established. Use a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE filter.

Use a self-contained breathing apparatus in cases of emergency spills, when exposure levels are unknown, or under any circumstances where air-purifying respirators may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: Blue liquid
- Odor: Aromatic
- Melting Point: Not Applicable
- Boiling Point: Not Available
- Specific Gravity/Density: 1.08 g/cm³ @ 68°F (20°C)
- pH: 4.6 (1% solution in deionized H₂O @ 77°F [25°C])
- Solubility in H₂O
- Enamectin Benzoate: 30 - 50 ppm (pH 7)
- Vapor Pressure
- Enamectin Benzoate: 3 x 10⁻⁸ mmHg @ 70°F (21°C)

10. STABILITY AND REACTIVITY

- Stability: Stable under normal use and storage conditions.
- Hazardous Polymerization: Will not occur.
- Conditions to Avoid: None known.
- Materials to Avoid: None known.
- Hazardous Decomposition Products: None known.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity/Irritation Studies (Finished Product)

- Ingestion: Oral (LD₅₀ Female Rat) : 3129 mg/kg body weight
- Dermal: Dermal (LD₅₀ Rat) : > 5000 mg/kg body weight
- Inhalation: Inhalation (LC₅₀ Rat) : > 2.54 mg/l air - 4 hours

Eye Contact: Severely Irritating (Rabbit)
Skin Contact: Slightly Irritating (Rabbit)
Skin Sensitization: Not a Sensitizer (Guinea Pig)

Reproductive/Developmental Effects

Emamectin Benzoate: Developmental and reproductive toxicity observed in dosages that are toxic to mature animals.

Chronic/Subchronic Toxicity Studies

Emamectin Benzoate: Tremors and nerve lesions observed at lowest dose tested in rabbits. Bladder changes reported in rats.

Carcinogenicity

Emamectin Benzoate: None observed.

Other Toxicity Information

None

Toxicity of Other Components

Tetrahydrofurfuryl Alcohol (THFA)

May be harmful if swallowed. Causes respiratory tract irritation. Causes skin irritation. May cause digestive tract irritation. Causes severe eye irritation. Inhalation overexposure may cause dizziness, incoordination and unconsciousness. Chronic overexposure may affect the kidney.

Target Organs

Active Ingredients

Emamectin Benzoate: Central nervous system, bladder

Inert Ingredients

Tetrahydrofurfuryl Alcohol (THFA): Digestive tract, respiratory tract, skin, eye, CNS, kidney

12. ECOLOGICAL INFORMATION

Summary of Effects

Emamectin Benzoate:

Very toxic to aquatic life.

Ecotoxicity Effects

Emamectin Benzoate:

Fish (Rainbow Trout) 96-hour LC50 174 ppb

Green Algae 5-day EC50 > 3.9 ppb

Invertebrate (Water Flea) Daphnia Magna 48-hour EC50 1.0 ppb

Bird (Mallard Duck) 14-day LD50 46 mg/kg

Environmental Fate

Emamectin Benzoate:

The information presented here is for the active ingredient, emamectin benzoate.

Low bioaccumulation potential. Persistent in soil. Stable in water. Immobile in soil. Sinks in water (after 24 h).

13. DISPOSAL CONSIDERATIONS

Disposal

Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

Characteristic Waste: Not Applicable

Listed Waste: Not Applicable

14. TRANSPORT INFORMATION

DOT Classification

Ground Transport - NAFTA

Not regulated by US DOT.

Air Transport - NAFTA

Not regulated by US DOT.

B/L Freight Classification

Insecticides, NOI, O/T Poison

Comments

Water Transport - International

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (Emamectin Benzoate), Marine Pollutant

Hazard Class or Division: Class 9

Identification Number: UN 3082

Packing Group: PG III

IMDG EMS #: F-A, S-F

Air Transport - International

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (Emamectin Benzoate), Marine Pollutant

Hazard Class or Division: Class 9

Identification Number: UN 3082

Packing Group: PG III

Packing Auth.: 914

Note: Max. inner container 5 liter; Max. single container 450 liter

15. REGULATORY INFORMATION

EPCRA SARA Title III Classification

Section 311/312 Hazard Classes: Acute Health Hazard

Section 313 Toxic Chemicals: Not Applicable

California Proposition 65

Not Applicable

CERCLA/SARA 302 Reportable Quantity (RQ)

None

RCRA Hazardous Waste Classification (40 CFR 261)

Not Applicable

TSCA Status

Exempt from TSCA, subject to FIFRA

16. OTHER INFORMATION

NFPA Hazard Ratings

Health: 2

Flammability: 1

Instability: 0

HMIS Hazard Ratings

Health: 2

Flammability: 1

Reactivity: 0

0	Minimal
1	Slight
2	Moderate
3	Serious
4	Extreme

For non-emergency questions about this product call:

1-800-334-9481

Original Issued Date: 11/30/2007

Revision Date: 2/5/2009

Replaces:

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.

End of MSDS

**CODE ENFORCEMENT OFFICE**

645A Pine St, PO Box 849
Burlington, VT 05402-0849

VOICE (802) 863-0442

FAX: (802) 652-4221

To: Burlington Board of Health
From: Bill Ward/Town Health Officer
Date: March 20, 2019
Subject: Deputy Health Officer appointment

Requested Board Action:

Vote to support the appointment of Steven Cormier as Deputy Town Health Officer.

Background of Town Health Officer process

Vermont Town Health Officers and Deputy Health Officers are appointed by the Vermont Commissioner of Health for a 3-year term. The appointment process for a Town Health officer requires the signature of approval from the Chair of the Town Select Board or City Council President in Burlington's case. The appointment process of Deputy Health officers requires the signature of approval from the Chair of the Local Board of Health. Burlington is currently served by the Code Enforcement staff that is appointed to the following positions:

- William Ward – Town Health Officer
- *Patricia Wehman- Deputy Health Officer
- *Timothy Ahonen- Deputy Health Officer
- *Sybil Thomas – Deputy Health Officer
- *Ted Miles – Deputy Health Officer
- *Ita Meno – Deputy Health Officer
- * Matthew Perry – Deputy Health Officer
- * Kim Ianelli – Deputy Health Officer

Relevant Vermont statute

Title 18 Chapter 11 Section 601 - Local health officials

(a) The commissioner shall appoint, upon recommendation of the selectmen, a local health officer for each town or city and the commissioner shall give such officer a certificate of appointment. The commissioner may appoint one or more deputy local health officers for a town or city upon written request of the local board of health. In case the selectmen neglect or refuse to recommend to the commissioner a local health officer, the commissioner after thirty days' notice in writing to the selectmen shall appoint a local health officer.

Steven Cormier

Steven has been an employee of the City of Burlington for over 8 years. He worked for the Department of Public Works before he was hired by the Code Enforcement Department in September 2018. Steven serves as a department administrator and is the staff member assigned to support the Burlington Board of Health. He demonstrates good judgement in the tasks required in our daily operation and provides excellent service to both the citizens and the staff members he supports. He is a trustworthy, fair and responsible employee. I strongly recommend the Board of Health appoint Steven Cormier for a 3-year term as Deputy Health Officer.

Steven M. Cormier

scormier@burlingtonvt.gov

Skills

Ability to analyze, quickly learn, and execute complex tasks.
Clear concise communication skills, honed academically and professionally.
Detailed and meticulous organizational mindset.
Highly reliable public sector employee with years of trusted experience.

Experience

City of Burlington: Code Enforcement Administration, September 2018 – *present*
Administering the city's Rental Housing and Vacant Buildings program, utilizing detailed knowledge of BCO Chapters 8 and 18; closeout-support within the municipal permitting process; accounting for housing and occupancy revenue streams; staffing and supporting the Board of Health; ongoing tracking of permitting statistics; general research at the behest of public requests.

City of Burlington: Public Works Administration, October 2015 – September 2018
Coordinating department-wide policies and rendering knowledge for the public and expert support to employees; creation and maintenance of Standard Operating Procedure (SOP) manual; accounting for daily multi-source revenue; staffing and supporting the Public Works Commission; researching and analyzing data for permitting, property research, public records requests, and general services.

City of Burlington: Public Works Parking Division, October 2010 - September 2015
Providing excellent customer service at multiple municipal parking facilities; processing customer payments; maintaining and recording daily payment and traffic records; performing system maintenance when required; balancing deposits at end of shift.

VT Digger: Political Reporter/Intern, January 2010 - May 2010

Samuel Read Hall Library: Circulation Clerk, September 2009 – May 2010

Bailey/Howe Library: Overnight Supervisor, September 2007 – May 2008

Education

Lyndon State College

Bachelor of Arts (*cum laude*) - English; Journalism and Writing, May 2010

Certifications

Vermont Panurgy

Leadership Institute – Certificate of Achievement, June 2017



**CITY OF BURLINGTON
BOARD OF HEALTH**

645 Pine Street
Post Office Box 849
Burlington, VT 05402-0849
802-863-0442
802-652-4221 FAX
802-863-0450 TTY

BOARD OF HEALTH

David Casey, RN (Chair); Mary D. Hart, RN; Julie Hathaway, MD, PhD; Taylor Newton; Caroline Tassey, APRN

HEALTH OFFICER

William Ward, Director of Code Enforcement

**MINUTES FOR REGULAR MEETING OF
BURLINGTON BOARD OF HEALTH
Main Conference Room, 645 Pine St
THURSDAY 21 MARCH 2019 AT 6:00 PM**

Attending: *David Casey; Mary Hart (arrives at meeting at 6:06 PM); Julie Hathaway (arrives at meeting at 6:06 PM); Taylor Newton; Caroline Tassey; William Ward; Steve Cormier, Board of Health Staff*

Absent: *N/A*

Meeting called to order by Chair Casey at 6:04 PM

ITEM	DISCUSSION	ACTION
1. Approvals: a) Amended Agenda		Mr. Newton made motion to accept amended agenda. Ms. Tassey seconded. All in favor.
b) February meeting minutes		Mr. Newton made motion to accept minutes. Ms. Tassey seconded. All in favor.

2. Public Forum / Emerging Issues	<i>No members of public present; no emerging issues discussed.</i> <i>**Mrs. Hart and Dr. Hathaway arrive at meeting**</i>	
3. Emerald Ash Borer update – VJ Comai, City Arborist	City Arborist Comai commented on the volume of Ash trees within the city, both on private and city property, and 2 types of injection products, introducing the <i>Arbormectin Safety Data Sheet</i> and the <i>TREE-age Safety Data Sheet</i> to the record with Chair Casey, and Ms. Tassey, and Director Ward asking questions. City Arborist Comai commented on his belief that injections should only be done by individuals who are both licensed in the injection process and certified as an Arborist. City Arborist Comai and Director Ward commented on possible pre-qualifications and reporting processes for permitting such activity within the city's Pesticide Application Approval Areas with Chair Casey, Mrs. Hart, and Ms. Tassey asking questions. The Board, City Arborist Comai, and Director Ward discussed looking at drafting permitting standards for this process.	

4. Deputy Town Health Officer Nomination – Recommendation of Steve Cormier by Town Health Officer William Ward	Director Ward commented on the process of nominating and approving Deputy Town Health Officers and nominated Steve Cormier, Code Enforcement Administrator and Health Administrator for the Board of Health, introducing the <i>Deputy Town Health Officer Appointment – Steve Cormier</i> memo and the <i>Resume – Steve Cormier</i> to the record.	Mr. Newton made motion to approve nomination of Steve Cormier as Deputy Town Health Officer. Ms. Tassey seconded. All in favor.
5. Update on marijuana legalization info card	Dr. Hathaway and Ms. Tassey commented on sending the card’s text changes to freelance graphic designer Samantha Segalas-Shaw. Mr. Newton commented on the Board previously allocating no more than \$1,500.00 for printing and giving Dr. Hathaway full authority to make the choice on a printer. The Board discussed spending \$600.00 of the \$1,500.00 to print an initial 250 cards.	
6. Chair’s report	Chair Casey commented on the 01 April Annual Mayor’s Meeting, setting up a Doodle Poll for the next School Safety Review, and the Board’s ongoing intention concerning reviews of the proposed City Hall Park fountain as plans are developed, with Mr. Newton and Ms. Tassey commenting.	
7. Discussion of FY 19 Budget	Mr. Newton commented on the Board currently allocating \$1,200.00 to North Ave	

	News for Safe Lawns advertising, \$500.00 to help Safe Recovery, \$1,500.00 to the printing of the Marijuana Legalization Info Card, and \$500.00 to help with City Storm Water Program education. The Board discussed additional opportunities with which to apply Board funds toward, including helping the Family Room and sending Board members to the Vermont Public Health Association Annual Meeting on 22 May.	Mr. Newton made motion to allocate \$1,000.00 to help the Family Room. Mrs. Hart seconded. All in favor. Ms. Tassey made motion to allocate \$40.00 to send Mrs. Hart to the Vermont Public Health Association Annual Meeting on 22 May. Mr. Newton seconded. All in favor.
8. Public outreach/communications • Language for FPF update	<i>Public outreach/communications was not discussed.</i>	
9. Next Meeting – currently set as 21 March 2019		
10. Adjournment		Mrs. Hart made motion to adjourn. Ms. Tassey seconded. All in favor.

Meeting adjourned at 7:59 PM