

Section 1 Identification of the mixture and of the Company	
1.1	Product identifier
	Product Name aPhinity EAB
	Synonyms CFS-3Z-Lactone; 3Z-dodecen-12-olide (3Z-lactone), macrocyclic lactone
1.2	Relevant identified uses of the mixture and uses advised against
	Use of the product Insect Pheromone – Emerald Ash Borer (<i>Argilus planipennis</i>)
	Uses advised against N/A
1.3	Details of the supplier of the Safety Data Sheet
	Supplier Sylvar Technologies Inc.
	Address 1350 Regent Street Fredericton, New Brunswick Canada E3C 2G6
	Phone +1 (506) 444-5690
	E-mail info@sylvar.ca
1.4	Emergency Telephone Number
	Phone (medical) 1-888-870-6444
Section 2 Hazards Identification	
2.1	Classification of the mixture
	Not classified; No hazardous components
2.2	Label elements
	Keep out of the reach of children. Store locked up. To avoid risks to human health and the environment, comply with the instructions for use. Contains 3Z-dodecen-12-olide Potential Sensitizer Potential Eye irritant
2.3	Other hazards
	This product does not contain any substances, which are persistent, bioaccumulative and toxic (PBT). This product does not contain any substance which are very persistent, and bioaccumulative (vPvB).
Section 3 Composition/Information on Ingredients	
3.1	Substances
	3Z-dodecen-12-olide CAS # not available yet
3.2	Mixtures
	This product is not a mixture.
Section 4 First Aid Measures	
4.1	Description of first aid measures
	General Notes Consult a physician. Take SDS or label of product to physician in attendance. Move out of dangerous area.

Following Inhalation	Move to fresh air, rest, half upright position, loosen clothing. Oxygen or artificial respiration if there is difficulty in breathing. Seek medical advice after significant exposure. Treat symptomatically is advised.
Following skin contact	Remove contaminated clothing. Seek medical advice if irritation develops. Wash clothes before reuse. After contact with skin, wash immediately with plenty of water.
Following eye contact	Rinse thoroughly with plenty of water for several minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing.
Following ingestion	Administer water and call a physician. Do not induce vomiting. Never give anything by mouth to an unconscious person.
Advice to physician	Treat symptomatically

4.2 Most important symptoms and effect, both acute and delayed

None.

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

None.

Section 5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media CO₂, Foam and Dry Chemical

Unsuitable extinguishing media None known

5.2 Special hazards arising from the mixture

None

5.3 Advice for firefighters

Keep away from heat, sparks and open flame. Use standard fire fighting procedures.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use protective clothing. Do not inhale.

6.2 Environmental precautions

Prevent entry into drains, waters, sewages, etc. of the product; contact immediately the municipal technical management if the product enters such bodies.

6.3 Methods and material for containment and cleaning up

Incineration or sanitary landfill in accordance with local regulations.

6.4 Reference to other sections

See personal protective equipment under Section 8 of SDS.

Section 7 Handling and Storage

7.1 Precautions for safe handling

Observe all warnings and precautions listed for the product. Use it in accordance with good manufacturing and industrial hygiene practices. Use product in a properly ventilated work area. Do not eat, drink or smoke while handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Store in a tightly sealed container, in a cool and well-ventilated area.

7.3 Specific end use(s)

Insect Pheromone – Emerald Ash Borer

Section 8 Exposure controls/personal protection

8.1 Control parameter

The usual precautionary measures for handling chemicals should be observed.

8.2 Exposure controls

Eye/Face Protection	Use safety glasses
Skin Protection	Use Protective Clothing, rubber gloves
Respirator Protection	Not usually required
Thermal Hazards	No specific recommendations
Other information	None

Section 9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical State	Liquid (placed into rubber septa)
Color	colorless
Odor	Not available
Odor Threshold	Not determined
pH	Not determined
Melting point/freezing point	Not determined
Initial boiling point and boiling range	Not determined
Flash Point	Approximately 98°C
Evaporation Rate	Not determined
Flammability	Not determined
Upper/Lower flammability or explosive limits	Not determined
Vapor Pressure	Not available
Vapor Density	Not available
Relative Density	Not determined
Solubility(ies)	Insoluble
Partition coefficient: n-cotanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	690 mPa xs (at 50rpm at 20°C)
Explosive Properties	Not determined
Oxidising properties	Not determined

9.2 Other Information

None

Section 10 Stability and Reactivity

10.1 Reactivity

Not reactive

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

None relevant

10.4 Conditions to avoid

None known

10.5 Incompatible materials

Avoid contact with strong oxidizing agents

10.6 Hazardous decomposition products

None known

Section 11 Toxicological Information

11.1 Information of toxicological effects

Acute toxicity	Not determined
Skin corrosion/irritation	Most likely route is entry through the skin. Full strength may be irritation to skin.
Serious eye damage/irritation	No data available; May cause eye irritation
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	Not classified
Reproductive toxicity	No data available
STOT-single exposure	Not existing
STOT-repeated exposure	Not existing
Aspiration hazard	Not relevant

Section 12 Ecological Information

12.1 Toxicity

Acute (short-term) toxicity

Fish	Not determined
Crustacea	Not determined
Algae/aquatic plants	Not determined
Other organisms	Not determined

Chronic (long-term) toxicity

Fish	No data available
Crustacea	No data available
Algae/aquatic plants	No data available
Other organisms	No data available

12.2 Persistence and degradability

Abiotic Degradation	None known
Physical and photo-chemical elimination	None known
Biodegradation	None known

12.3 Bioaccumulative potential

Octanol/water partition coefficient (Kow)	Not determined
Bioconcentration factor (BCF)	Not determined

12.4 Mobility in Soil

Known or predicted distribution to environmental compartments	Not determined
Surface tension	Not determined
Absorption/desorption	Not determined

12.5 Results of PBT and vPvB assessment

This product does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects

None

12.7 Additional information

None

Section 13 Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal	Triple-or pressure rinse the empty container. Add the rinsings to the spray mixture in the tank. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for use. Dispose of the container in accordance with provincial regulations. For information on disposal of unused, unwanted product, contact the supplier or the provincial regulatory agency. Contact the supplier or the provincial regulatory agency in cause of a spill, and for clean-up of spills.
Waste codes/waste designations according to LoW	Not applicable
Waste treatment-relevant information	None
Sewage disposal-relevant information	Waste should not be disposed of by release to sewers
Other disposal Recommendations	None

Section 14 Transport Information

Inland Transportation	Not restricted
Sea Transportation	Not restricted
Air Transportation	Not restricted

Section 15 Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the mixture

Authorizations	Not relevant
Restrictions on use	Not relevant

15.2 Chemical Safety Assessment

Not determined

Section 16 Other Information

This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for their special use of this product.

Indication of Changes

Date of Review
Composed by

January 23, 2018
Laura Forbes, Regulatory Affairs Manager
Sylvar Technologies Inc.