

1	Identification	uniging was technology a resources wyewer.
1.1	Product identifier	
(a)	Product Code:	041-SPW-01
(4)	Troduct code.	011 31 W 01
	Product Name:	Sweetpotato Weevil (Cylas formicarius) Monitoring Lures
(b)	Other means of identification:	No applicable information is available
(c)	Recommended use:	The product is intended for use as monitoring lure of the Sweetpotato weevil Cylas formicarius
	Restrictions for use:	No applicable information is available
	Active Ingredient:	This product consists of one attractant: Z3-Dodecenyl-E2-butenoate impregnated in rubber septa. The rubber septa devices are sealed in separate impermeable pouches for shipping and storage.
	CAS Number:	No applicable information is available
	Other Ingredients:	No applicable information is available
	Relevant identified uses of the	substance or mixture and uses advised against
	Product use	Used for the attraction and containment of insect pests
	Details of the supplier of the sa	-
	Company name:	J. F. Oakes Sales & Marketing, LLC
(d)	Address:	Physical: 646 E Fifteenth Street
		Mailing: P. O. Box 115 Yazoo City, MS 39194 U.S.A.
	Telephone number:	662-746-7276
	Fax Number:	662-746-4568
	Email:	sales@jfoakes.com
	Web:	www.jfoakes.com
(e)	Emergency telephone	CHEMTREC: 1-800-424-9300
	number for US and Canada only:	
2	Hazards Identification	
(a)	Classification of the chemical	Slight hazard
(4)	in accordance with	Shight huzuru
	paragraph (d) of	
	§1910.1200, OPP and GHS	
	criteria:	
	Acute Oral Toxicity	No applicable information is available
	Acute Inhalation Toxicity	Irritating to respiratory system
	,	
	Skin Irritation	Irritating to skin



P		bringing ideas technology & resources together.
S	Primary Eye Irritation Sensitization Signal word, hazard statement(s), symbol(s) and precautionary statement	Irritating to eyes No applicable information is available
(d) St	Other hazards Statement of the mixture	No applicable information is available No applicable information is available
	HMIS® Rating	
FI R P	Health: Flammability: Reactivity: Protection: Safety Phrases:	1 1 0 No applicable information is available No applicable information is available
	JN Number:	No applicable information is available
С	Classification of the substance or mixture	For additional information on toxicity refer to Section 11
C	substance or mixture	For additional information on toxicity refer to Section 11
3 C		
3 CSI A CSI	Substance or mixture  Composition/Information  Substances  Active Ingredients and	Z3-Dodecenyl-E2-butenoate
3 C SI A (a) C C O	Substance or mixture  Composition/Information  Substances  Active Ingredients and  Chemical Name:	Z3-Dodecenyl-E2-butenoate Formula: C <sub>16</sub> H <sub>28</sub> O <sub>2</sub>
3 C Si A C C C C C C C C C C C C C C C C C C	Composition/Information Substances Active Ingredients and Chemical Name: Common names:	Z3-Dodecenyl-E2-butenoate Formula: C <sub>16</sub> H <sub>28</sub> O <sub>2</sub> No applicable information is available
(a) Control (b) Control (c) Control (d) In active control (c) Cont	Composition/Information Substances Active Ingredients and Chemical Name: Common names: Other Ingredient: Mixtures	Z3-Dodecenyl-E2-butenoate Formula: C <sub>16</sub> H <sub>28</sub> O <sub>2</sub> No applicable information is available  No applicable information is available



1-1	Description of Control of Control	bringing accountingly a recourse agenta.
(a)	Description of first aid measures	No applicable information is available
(b)	Most important symptoms and effects,	No applicable information is available
	both acute and delayed	
(-)	I district a section of the second section of the s	No conflict to formation to a called to
(c)	Indication of any immediate medical	No applicable information is available
	attention and special treatment needed	
	- Inhalation	Product with very low release difficult to inhale.
	_	
	- Eyes	Active ingredients may be irritating to eyes. In case of
		contact of devices with eyes, flush with copious amounts
		of water for at least 15 minutes. Assure adequate flushing
		by separating the eyelids with fingers. Call a physician.
	al.	
	- Skin	Product may cause irritation from prolonged (days of
		continuous) direct exposure to devices as would occur if
		devices were carried in clothing. In case of direct,
		prolonged skin contact, flush with copious amounts of
		water for at least 15 minutes. Remove contaminated
		clothing and shoes. Call a physician.
	- Ingestion	Harmful liquid impregnated rubber septa very difficult to
		swallow. If device is swallowed, wash out mouth with
		water provided person is conscious. Call a physician
		immediately.
5	Fire-Fighting Measures	
<b>5</b> (a)	Fire-Fighting Measures  Suitable extinguishing media	Equipment: Respiratory protection
		Equipment: Respiratory protection Auto-ignition Temperature: In formulation: Not applicable
		Equipment: Respiratory protection
		Equipment: Respiratory protection Auto-ignition Temperature: In formulation: Not applicable
		Equipment: Respiratory protection Auto-ignition Temperature: In formulation: Not applicable Flammability: In formulation: Not applicable
(a)	Suitable extinguishing media	Equipment: Respiratory protection Auto-ignition Temperature: In formulation: Not applicable Flammability: In formulation: Not applicable Extinguishing Media: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.
	Suitable extinguishing media  Special hazards arising from the substance	Equipment: Respiratory protection Auto-ignition Temperature: In formulation: Not applicable Flammability: In formulation: Not applicable Extinguishing Media: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.  The material of this product is combustible and produces
(a)	Suitable extinguishing media	Equipment: Respiratory protection Auto-ignition Temperature: In formulation: Not applicable Flammability: In formulation: Not applicable Extinguishing Media: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.
(a) (b)	Suitable extinguishing media  Special hazards arising from the substance or mixture	Equipment: Respiratory protection Auto-ignition Temperature: In formulation: Not applicable Flammability: In formulation: Not applicable Extinguishing Media: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.  The material of this product is combustible and produces toxic compounds when burned.
(a)	Suitable extinguishing media  Special hazards arising from the substance	Equipment: Respiratory protection Auto-ignition Temperature: In formulation: Not applicable Flammability: In formulation: Not applicable Extinguishing Media: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.  The material of this product is combustible and produces toxic compounds when burned.  In formulation: Protective Equipment: Wear self-contained
(a) (b)	Suitable extinguishing media  Special hazards arising from the substance or mixture	Equipment: Respiratory protection Auto-ignition Temperature: In formulation: Not applicable Flammability: In formulation: Not applicable Extinguishing Media: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.  The material of this product is combustible and produces toxic compounds when burned.  In formulation: Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent
(a) (b)	Suitable extinguishing media  Special hazards arising from the substance or mixture	Equipment: Respiratory protection Auto-ignition Temperature: In formulation: Not applicable Flammability: In formulation: Not applicable Extinguishing Media: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.  The material of this product is combustible and produces toxic compounds when burned.  In formulation: Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s):
(a) (b)	Suitable extinguishing media  Special hazards arising from the substance or mixture	Equipment: Respiratory protection Auto-ignition Temperature: In formulation: Not applicable Flammability: In formulation: Not applicable Extinguishing Media: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.  The material of this product is combustible and produces toxic compounds when burned.  In formulation: Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Combustible liquid. Emits toxic fumes under fire
(a) (b) (c)	Suitable extinguishing media  Special hazards arising from the substance or mixture  Precautions for fire-fighters	Equipment: Respiratory protection Auto-ignition Temperature: In formulation: Not applicable Flammability: In formulation: Not applicable Extinguishing Media: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.  The material of this product is combustible and produces toxic compounds when burned.  In formulation: Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s):
(a) (b) (c)	Suitable extinguishing media  Special hazards arising from the substance or mixture  Precautions for fire-fighters  Accidental Release Measures	Equipment: Respiratory protection Auto-ignition Temperature: In formulation: Not applicable Flammability: In formulation: Not applicable Extinguishing Media: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.  The material of this product is combustible and produces toxic compounds when burned.  In formulation: Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Combustible liquid. Emits toxic fumes under fire conditions.
(a) (b) (c)	Suitable extinguishing media  Special hazards arising from the substance or mixture  Precautions for fire-fighters  Accidental Release Measures  Personal precautions, protective	Equipment: Respiratory protection Auto-ignition Temperature: In formulation: Not applicable Flammability: In formulation: Not applicable Extinguishing Media: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.  The material of this product is combustible and produces toxic compounds when burned.  In formulation: Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Combustible liquid. Emits toxic fumes under fire
(a) (b) (c)	Suitable extinguishing media  Special hazards arising from the substance or mixture  Precautions for fire-fighters  Accidental Release Measures	Equipment: Respiratory protection Auto-ignition Temperature: In formulation: Not applicable Flammability: In formulation: Not applicable Extinguishing Media: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.  The material of this product is combustible and produces toxic compounds when burned.  In formulation: Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Combustible liquid. Emits toxic fumes under fire conditions.
(a) (b) (c)	Suitable extinguishing media  Special hazards arising from the substance or mixture  Precautions for fire-fighters  Accidental Release Measures  Personal precautions, protective equipment and emergency procedures	Equipment: Respiratory protection Auto-ignition Temperature: In formulation: Not applicable Flammability: In formulation: Not applicable Extinguishing Media: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.  The material of this product is combustible and produces toxic compounds when burned.  In formulation: Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Combustible liquid. Emits toxic fumes under fire conditions.  No protective apparatus necessary for cleanup.
(a) (b) (c)	Suitable extinguishing media  Special hazards arising from the substance or mixture  Precautions for fire-fighters  Accidental Release Measures  Personal precautions, protective	Equipment: Respiratory protection Auto-ignition Temperature: In formulation: Not applicable Flammability: In formulation: Not applicable Extinguishing Media: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.  The material of this product is combustible and produces toxic compounds when burned.  In formulation: Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Combustible liquid. Emits toxic fumes under fire conditions.
(a) (b) (c)  6 (a)	Suitable extinguishing media  Special hazards arising from the substance or mixture  Precautions for fire-fighters  Accidental Release Measures  Personal precautions, protective equipment and emergency procedures  Environmental precautions	Equipment: Respiratory protection Auto-ignition Temperature: In formulation: Not applicable Flammability: In formulation: Not applicable Extinguishing Media: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.  The material of this product is combustible and produces toxic compounds when burned.  In formulation: Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Combustible liquid. Emits toxic fumes under fire conditions.  No protective apparatus necessary for cleanup.  Pick up septa devices and dispose of in approved manner.
(a) (b) (c)	Suitable extinguishing media  Special hazards arising from the substance or mixture  Precautions for fire-fighters  Accidental Release Measures  Personal precautions, protective equipment and emergency procedures	Equipment: Respiratory protection Auto-ignition Temperature: In formulation: Not applicable Flammability: In formulation: Not applicable Extinguishing Media: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.  The material of this product is combustible and produces toxic compounds when burned.  In formulation: Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Combustible liquid. Emits toxic fumes under fire conditions.  No protective apparatus necessary for cleanup.



7	Handling and Storage	
(a)	Precautions for safe handling	Keep the dispenser lures inside the package until use. Do not store with material emitting vapor or strong odors.  Display the lure inside the trap, no either puncture; tear or cut open the lure is necessary for proper effect.
(b)	Conditions for safe storage, including any incompatibilities	Suitable: Keep away from heat, sparks and open flame, store below 4°C.
8	Exposure Controls/Personal Protection	
(a)	OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.	No applicable information is available
(b)	Appropriate engineering controls.	No applicable information is available
(c)	Individual protection measures, such as personal protective equipment.	Personal Protective Equipment: No respiratory equipment required. Hand: Compatible chemical resistant gloves recommended for prolonged handling. Eye: No precautions necessary if devices are handled in prescribed manner. General Hygiene Measures: Wash contaminated clothing before reuse. Wash thoroughly after handling.



9	Physical and Chemical Properties	
	Information on physical and chemical prope	rties
	Appearance:	Colorless liquid
(a)	Odour:	No applicable information is available
(b)	Odour threshold:	No applicable information is available
(c)	pH:	No applicable information is available
(d)	Melting point/freezing point:	No applicable information is available
(e)	Initial boiling point and boiling range:	No applicable information is available
(f)	Flash point:	No applicable information is available
(g)	Evaporation rate:	No applicable information is available
(h)	Flammability (solid, gas):	No applicable information is available
(i)	Upper/lower flammability or explosive	
(j)	limits:	No applicable information is available
(k)	Vapour pressure:	No applicable information is available
(I)	Vapour density:	>1
(m)	Relative density:	No applicable information is available
(n)	Solubility(ies):	Insoluble in water, soluble in alcohol
(o)	Partition coefficient; n-octanol/water:	No applicable information is available
(p)	Auto-ignition temperature:	No applicable information is available
(q) (r)	Decomposition temperature:  Viscosity:	No applicable information is available  No applicable information is available
(1)	Explosive properties:	No applicable information is available
	Oxidising properties:	No applicable information is available
	Oxidising properties.	
	Other information	Molecular weight: 252.39
10	Stability and Reactivity	
(a)	Reactivity	Materials to avoid: Strong oxidizing agents
(b)	Chemical stability	Stable
(c)	Possibility of hazardous reactions	No applicable information is available
(d)	Conditions to avoid	No applicable information is available
(e)	Incompatible materials	No applicable information is available
(f)	Hazardous decomposition products	Carbon dioxide and Carbon monoxide.
11	Toxicology Information	
(a)	SKIN CONTACT:	The chemical component of this lure may cause skin
		irritation upon prolonged contact.
	SKIN ABSORPTION:	Product may be absorbed through the skin upon
	EVE CONTACT	prolonged contact.
	EYE CONTACT:	Product may cause eye irritation if directly rubbed in
(1.)	INULATION	eye.
(b)	INHALATION:	This product has very low release of chemical difficult to
	INCECTION	inhale.
	INGESTION:	Product could cause choking if swallowed.
(c)	Symptoms related to the physical, chemical	To the best of our knowledge, the chemical, physical and
\-/	and toxicological characteristics.	toxicological properties of active ingredient have not
		been thoroughly investigated.
1		been moroughly investigated.



(d)	Delayed and immediate effects and also chronic effects from short- and long-term exposure.	No applicable information is available
(e)	Numerical measures of toxicity (such as acute toxicity estimates).	No applicable information is available
	Whether the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA.	No applicable information is available
12	Ecological Information	
(a)	Eco-toxicity	No data available.
(b)	Persistence and degradability	No data available.
(c)	Bio-accumulative potential	No data available.
(d)	Mobility in soil	No data available.
(e)	Other adverse effects	No data available.
13	Disposal Considerations	
	Waste treatment methods	Waste disposal method: Incineration or sanitary landfill in accordance with local, state and federal regulations.
14	Transport Information	
(a)	UN number	No applicable information is available
(b)	UN proper shipping name	No applicable information is available
(c)	Transport hazard class(es)	No applicable information is available
(d)	Packing group	No applicable information is available
(e)	Environmental hazards	No applicable information is available
(f)	Transport in bulk according to Annex II of	No applicable information is available
(g)	MARPOL73/78 and the IBC Code	Free for all transportation systems.
	Special precautions which a user needs to be aware of, or needs to comply with, in	
	connection with transport or conveyance	
	either within or outside their premises.	
15	Regulatory Information	
	Safety, health and environmental	European information
	regulations/legislation specific for the	Based on toxicological studies in the published literature,
	substance or mixture	there are no risk and safety phrases to assign for this
		product.
	Chemical safety assessment	United States Regulatory Information
		,
	Signal word	
	Signal Word	•
		accordance with the hazard criteria of the CPR, and the
	Signal word	SARA Listed: No. (active ingredients) TSCA Inventory Item: Yes (active ingredients) Listed as carcinogen by NTP, IARC or OSHA?: No Canada Regulatory Information WHMIS Classification: This product has been classified in



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	MSDS contains information required by the CPR.	
16	Other Information	
	HMIS® Hazardous Materials Identification System	
	HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4	
	representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29	
	CFR 1910.1200, the preparer may choose to provide them.	
	HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers	
	who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the	
	NPCA.	
	Acronyms: NTP (National Toxicology Program); IARC (International Agency for Research on Cancer);	
	OSHA (Occupational Health and Safety Administration); DOT (U.S. Dept. of Transportation)	
17	Disclaimer	
	Disclaimer of warranties and limitation of liability	
	The information in this SDS is furnished without warranty, expressed or implied regarding its	
	correctness. It was compiled from sources which we believe are reliable to the best of our knowledge.	
	J. F. Oakes Sales & Marketing, LLC makes no warranty or representation to the suitability of the product	
	for a particular purpose which may be used for and cannot be held liable for any damage or loss which	
	may be consequence of the use of the product or the reliance of the information provided in the	
	document incidentally or consequentially. It is the condition of supply that the suitability of the product	
	for a particular application and the relevance of the information provided to the conditions of the	
	application will be solely determined by the user.	