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1	Identification	bringing ideas technology & resources together.	
1.1	Product identifier		
(a)	Product Code:	041-KWB-10/041-KWB-25/041-KWB-100/041-SS10D-KB/041-SS10P-KB	
	Product Name:	Trogoderma granarium Monitoring Lures	
(b)	Other means of identification:	N/A	
(c)	Recommended use:	The product is intended for use as monitoring lure of the Khapra beetle Trogoderma granarium	
	Restrictions for use:	No applicable information is available	
	Active Ingredient:	This product consists of one attractant: 14-Methyl-Z-8-Hexadecenal 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	
		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	afety data sheet	
(d)	Company name:	J. F. Oakes Sales & Marketing, LLC	
	Address:	Physical: 646 E Fifteenth Street	
		Mailing: P. O. Box 115	
	Telephone number:	Yazoo City, MS 39194 U.S.A. 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	
	in accordance with		
	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	
	Skiii ii ii tatioii	integring to skill	

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1		интуну пева челницу в невишее мусте
	Primary Eye Irritation	Irritating to eyes
	Sensitization	No applicable information is available
(b)	Signal word, hazard	
(6)	I -	
	statement(s), symbol(s) and	
	precautionary statement	
(c)	Other hazards	No applicable information is available
(d)	Statement of the mixture	No applicable information is available
	HMIS® Rating	
	_	
	Health:	1
	Flammability:	1
	Reactivity:	0
	Protection:	
	Safety Phrases:	
	Safety Fillases.	
	LINI NI COLO CO	No continual o information is punished
	UN Number:	No applicable information is available
	ac	
	Classification of the	
	substance or mixture	For additional information on toxicity refer to Section 11
3	Composition/Information	on on ingredients
	Substances	
	Active Ingredients and	
(a)	Chemical Name:	14-Methyl-Z-8-Hexadecenal
(-)	Circinical Hanner	
(b)	Common names:	No applicable information is available
(6)	Common names.	The applicable information is available
	Other Ingredient:	No applicable information is available
	Other Ingredient:	No applicable information is available
	Mixtures	
, ,		
(c)	CAS Number:	60609-53-2
		Formula: C ₁₇ H ₃₂ O
(d)	Impurities and stabilizing	No applicable information is available
	additives which are	
	themselves classified and	
	which contribute to the	
1		
	classification of the	
4		

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7-1	Description of Control of Control	binging dead contributy a record cost adjuster.
(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	
(c)	Indication of any immediate medical	No applicable information is available
(0)	attention and special treatment needed	Two 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.
	- 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	
(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.
(b)	Special hazards arising from the substance	The material of this product is combustible and produces
(6)	or mixture	toxic compounds when burned.
	or mixeure	toxic compounds when burned.
(c)	Precautions for fire-fighters	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.
6	Accidental Release Measures	
(a)	Personal precautions, protective	No protective apparatus necessary for cleanup.
	equipment and emergency procedures	
		Pick up septa devices and dispose of in approved manner.
	Environmental precautions	
	Environmental precautions	Pick up septa devices and dispose of in approved mainler.
(b)	Environmental precautions Methods and material for containment	Pick up material and dispose of in approve manner.
(b)	·	

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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.

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9	Physical and Chemical Properties			
	Information on physical and chemical properties			
	Appearance:	Colorless liquid		
(a)	Odour:	Waxy		
(b)	Odour threshold:	No applicable information is available		
(c)	pH:	No applicable information is available		
(d)	Melting point/freezing point:	250°C atmospheric		
(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	No applicable information is available		
(j)	limits:	No applicable information is available		
(k) (l)	Vapour pressure: Vapour density:	No applicable information is available > 1		
(m)	Relative density:	0.83 ± 0.01		
(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)	Decomposition temperature:	No applicable information is available		
(r)	Viscosity:	No applicable information is available		
(.,	Explosive properties:	No applicable information is available		
	Oxidising properties:	No applicable information is available		
	S A S A S A S A S A S A S A S A S A S A			
	Other information	No applicable information is available		
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		
		prolonged contact.		
	EYE CONTACT:	Product may cause eye irritation if directly rubbed in		
		eye.		
	INHALATION:	This product has very low release of chemical difficult to		
	INCECTION	inhale.		
(1.)	INGESTION:	Product could cause choking if swallowed.		
(b)	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		
(c)	Delayed and immediate offerts and also	been thoroughly investigated.		
(c)	Delayed and immediate effects and also	No applicable information is available		

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chronic effects from short- and long-term exposure. (d) Numerical measures of toxicity (such as acute toxicity estimates).	
(d) Numerical measures of toxicity (such as No data available.	
(1)	
(1)	
dedic toxicity estimates).	
(e) Whether the hazardous chemical is listed in No applicable information is available	
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.	
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	
	or conitory landfill
'	•
in accordance with local, state and fee	ierai 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	
(f) Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Free for all transportation systems.	
(f) Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Special precautions which a user needs to No applicable information is available Free for all transportation systems.	
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(f) MARPOL73/78 and the IBC Code 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 regulations/legislation specific for the substance or mixture Chemical safety assessment Chemical safety assessment Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Free for all transportation systems. European information Based on toxicological studies in the p there are no risk and safety phrases to product. United States Regulatory Information SARA Listed: No. (active ingredients) TSCA Inventory Item: Yes (active ingredients) TSCA Inventory Item: Yes (active ingredients) Signal word Canada Regulatory Information	dients) OSHA?: No s been classified in the CPR, and the

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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 produc	
	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.	
	application will be solely determined by the user.	