

1 Identification																	
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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 safety data sheet																	
(d)	<table border="1" style="width: 100%;"> <tr> <td style="width: 30%;">Company name:</td> <td>J. F. Oakes Sales & Marketing, LLC</td> </tr> <tr> <td>Address:</td> <td>Physical: 646 E Fifteenth Street Mailing: P. O. Box 115 Yazoo City, MS 39194 U.S.A.</td> </tr> <tr> <td>Telephone number:</td> <td>662-746-7276</td> </tr> <tr> <td>Fax Number:</td> <td>662-746-4568</td> </tr> <tr> <td>Email:</td> <td>sales@jfoakes.com</td> </tr> <tr> <td>Web:</td> <td>www.jfoakes.com</td> </tr> </table>	Company name:	J. F. Oakes Sales & Marketing, LLC	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				
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2 Hazards Identification																	
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	Skin Irritation Primary Eye Irritation Sensitization	Irritating to skin Irritating to eyes
(b)	Signal word, hazard statement(s), symbol(s) and precautionary statement	No applicable information is available
(c)	Other hazards	No applicable information is available
(d)	Statement of the mixture	No applicable information is available
	HMIS® Rating	
	Health:	1
	Flammability:	0
	Reactivity:	0
	Protection:	No applicable information is available
	Safety Phrases:	No applicable information is available
	UN Number:	No applicable information is available
	Classification of the substance or mixture	
	For additional information on toxicity, refer to Section 11.	
3	Composition/Information on ingredients	
	Substances	
(a)	Active Ingredients and Chemical Name:	4,6-dimethyl-7-hydroxy-nonan-3-one (Serricornin) Formula: C ₁₁ H ₂₂ O ₂
(b)	Common names:	No applicable information is available
	Other Ingredient:	No applicable information is available
	Mixtures	
(c)	CAS Number:	72598-35-7
(d)	Impurities and stabilizing additives which are themselves classified and which contribute to the classification of the substance.	
4	First Aid Measures	

(a)	Description of first aid measures	No applicable information is available
(b)	Most important symptoms and effects, both acute and delayed	No applicable information is available
(c)	Indication of any immediate medical attention and special treatment needed	No applicable information is available
	- 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	Water spray. Carbon dioxide, dry chemical powder or appropriate foam.
(b)	Special hazards arising from the substance or mixture	The material of this product is combustible and produces 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 equipment and emergency procedures	No protective apparatus necessary for cleanup.
	Environmental precautions	Pick up septa devices and dispose of in approved manner.
(b)	Methods and material for containment and cleaning up	Pick up material and dispose of in approve manner.
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.	<p>Personal Protective Equipment: No respiratory equipment required.</p> <p>Hand: Compatible chemical resistant gloves recommended for prolonged handling.</p> <p>Eye: No precautions necessary if devices are handled in prescribed manner.</p> <p>General Hygiene Measures: Wash contaminated clothing before reuse. Wash thoroughly after handling.</p>

9		Physical and Chemical Properties
Information on physical and chemical properties		
	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
(l)	Vapour density:	No applicable information is available
(m)	Relative density:	No applicable information is available
(n)	Solubility(ies):	No applicable information is available
(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
	Other information	Molecular Weight 186.29
10		Stability and Reactivity
(a)	Reactivity	Stable.
(b)	Chemical stability	No applicable information is available
(c)	Possibility of hazardous reactions	No applicable information is available
(d)	Conditions to avoid	Strong oxidizing agents.
(e)	Incompatible materials	No applicable information is available
(f)	Hazardous decomposition products	No applicable information is available
11		Toxicology Information
(a)	SKIN CONTACT:	The chemical component of this lure may cause skin irritation upon prolonged contact.
(b)	SKIN ABSORPTION:	Product may be absorbed through the skin upon prolonged contact.
(c)	EYE CONTACT:	Product may cause eye irritation if directly rubbed in eye.
(d)	INHALATION:	This product has very low release of chemical difficult to inhale.
(e)	INGESTION:	Product could cause choking if swallowed.
	Symptoms related to the physical, chemical and toxicological characteristics.	To the best of our knowledge, the chemical, physical and toxicological properties of active ingredient have not been thoroughly investigated.

	<p>Delayed and immediate effects and also chronic effects from short- and long-term exposure.</p> <p>Numerical measures of toxicity (such as acute toxicity estimates).</p> <p>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.</p>	<p>No applicable information is available</p> <p>LD₅₀ 3120 mg/kg</p> <p>No applicable information is available</p>
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 MARPOL73/78 and the IBC Code	No applicable information is available
(g)	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.	Free for all transportation systems
15	Regulatory Information	
	Safety, health and environmental regulations/legislation specific for the substance or mixture	<p>European information: Based on toxicological studies in the published literature, there are no risk and safety phrases to assign for this product.</p> <p>USA information: EPA Exempted from label requirements; CFR 40 152.25(b) if used for monitoring purposes in traps.</p> <p>Canada Regulatory Information: WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains information required by the CPR.</p>

	Chemical safety assessment	No applicable information is available
	Signal word	
16	Other Information	
	<p>HMIS® Hazardous Materials Identification System</p> <p>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.</p> <p>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.</p> <p>Acronyms: NTP (National Toxicology Program); IARC (International Agency for Research on Cancer); OSHA (Occupational Health and Safety Administration); DOT (U.S. Dept. of Transportation)</p>	
17	Disclaimer	
	<p style="text-align: center;">Disclaimer of warranties and limitation of liability</p> <p>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.</p>	