

SAFETY DATA SHEET

1 Identification																					
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Relevant identified uses of the substance or mixture and uses advised against																					
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Details of the supplier of the safety data sheet																					
(d)	<table border="1" style="width: 100%;"> <tr> <td style="width: 30%;"><i>Manufacturer:</i></td> <td><i>U.S.A. Master Supplier:</i></td> </tr> <tr> <td>Russell IPM Ltd</td> <td>J. F. Oakes Sales & Marketing, LLC</td> </tr> <tr> <td>45 First Avenue, Deeside</td> <td>Physical: 646 E Fifteenth Street</td> </tr> <tr> <td>Industrial Park, Deeside,</td> <td>Mailing: P.O. Box 115</td> </tr> <tr> <td>Flintshire, CH5 2NU, United Kingdom</td> <td>Yazoo City, MS 39194</td> </tr> <tr> <td>Tel #: (+44) 1244 281 333</td> <td>U.S.A.</td> </tr> <tr> <td>Fax #: (+44) 1244 281 878</td> <td>Tel #: 662 746 7276</td> </tr> <tr> <td>Email: info@russellipm.com</td> <td>Fax #: 662 746 4568</td> </tr> <tr> <td>Web: www.russellipm.com</td> <td>Email: sales@jfoakes.com</td> </tr> <tr> <td></td> <td>Web: www.jfoakes.com</td> </tr> </table>	<i>Manufacturer:</i>	<i>U.S.A. Master Supplier:</i>	Russell IPM Ltd	J. F. Oakes Sales & Marketing, LLC	45 First Avenue, Deeside	Physical: 646 E Fifteenth Street	Industrial Park, Deeside,	Mailing: P.O. Box 115	Flintshire, CH5 2NU, United Kingdom	Yazoo City, MS 39194	Tel #: (+44) 1244 281 333	U.S.A.	Fax #: (+44) 1244 281 878	Tel #: 662 746 7276	Email: info@russellipm.com	Fax #: 662 746 4568	Web: www.russellipm.com	Email: sales@jfoakes.com		Web: www.jfoakes.com
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2 Hazards Identification																					
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<p>(b) Signal word, hazard statement(s), symbol(s) and precautionary statement</p> <p>(b) Other hazards Statement of the mixture</p> <p>(c) HMIS® Rating</p> <p>(c) Health: Flammability: Reactivity: Protection: Safety Phrases:</p> <p>(d) UN Number:</p> <p>(d) Classification of the substance or mixture</p>	<p>No data available</p> <p>No data available</p> <p>1</p> <p>1 - Flammable at temperatures over 100°C</p> <p>0</p> <p>B</p> <p>There were no toxicological studies in the published literature to assign risk and safety phrases.</p> <p>Not applicable, therefore not allocated.</p> <p>Pheromone</p>	
3 Composition/Information on ingredients		
<p>(a) Substances Active Ingredients and Chemical Name:</p> <p>(b) Common names:</p> <p>Other Ingredient:</p> <p>Mixtures CAS Number:</p>	<p>Nature identical pheromones for Case Making Clothes moth: (E)-2-Octadecenal</p> <p>N/A</p> <p>N/A</p> <p>51534-37-3</p>	
4 First Aid Measures		

(a)	Description of first aid measures	See Section 4.3 – no special measures
(b)	Most important symptoms and effects, both acute and delayed	Data not available
(c)	Indication of any immediate medical attention and special treatment needed	See below
	- Inhalation	Remove affected individual to fresh air. Seek medical advice if symptoms persist.
	- Eyes	Flush with plenty of water. Seek medical advice if symptoms persist.
	- Skin	Flush with plenty of water. Seek medical advice if symptoms persist.
	- Ingestion	Wash mouth out with plenty of water. Induce vomiting if swallowed. Seek medical advice.
5	Fire-Fighting Measures	
(a)	Suitable extinguishing media	Water, carbon dioxide, dry powder or appropriate foam.
(b)	Special hazards arising from the substance or mixture	Formulation combustible. Emits toxic fumes when burning/under fire; CO, CO ₂ .
(c)	Precautions for fire-fighters	No special procedures.
6	Accidental Release Measures	
(a)	Personal precautions, protective equipment and emergency procedures	No protective apparatus necessary for clean-up.
	Environmental precautions	The material and ingredients should be prevented from contaminating soil or from entering sewage and drainage systems.
(b)	Methods and material for containment and cleaning up	Sweep up material and dispose of in approved manner.
7	Handling and Storage	
(a)	Precautions for safe handling	<ul style="list-style-type: none"> - Do not breathe in vapours. - Avoid contact with skin and eyes. - Wash thoroughly after handling.
(b)	Conditions for safe storage, including any incompatibilities	<ul style="list-style-type: none"> - Store in cool, dry and well ventilated place. - Keep away from heat, sparks and open flames. - Refrigeration is recommended for long term storage.
8	Exposure Controls/Personal Protection	
(a)	OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold	No data available

	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.	
(b)	Appropriate engineering controls.	Standard personal and industrial hygiene practices.
(c)	Individual protection measures, such as personal protective equipment.	No special protective equipment is required under normal conditions.
9	Physical and Chemical Properties	
	Information on physical and chemical properties	
	Appearance:	Clear polyolefin rigid dispenser containing the insect pheromone.
(a)	Odour:	Distinctive
(b)	Odour threshold:	Not applicable
(c)	pH:	Not applicable
(d)	Melting point/freezing point:	Not applicable
(e)	Initial boiling point and boiling range:	Not applicable
(f)	Flash point:	Not applicable
(g)	Evaporation rate:	Not applicable
(h)	Flammability (solid, gas):	Flammable at temperatures over 100°C
(i)	Upper/lower flammability or explosive	Not applicable
(j)	limits:	Not applicable
(k)	Vapour pressure:	Not applicable
(l)	Vapour density:	Not applicable
(m)	Relative density:	Not soluble
(n)	Solubility(ies):	Not applicable
(o)	Partition coefficient; n-octanol/water:	Not applicable
(p)	Auto-ignition temperature:	Not applicable
(q)	Decomposition temperature:	Not applicable
(r)	Viscosity:	Not applicable
	Explosive properties:	Not applicable
	Oxidising properties:	Not applicable
	Other information	None
10	Stability and Reactivity	
(a)	Reactivity	Presents no special reactivity hazard.
(b)	Chemical stability	Stable under normal conditions.
(c)	Possibility of hazardous reactions	None
(d)	Conditions to avoid	Excessive heat, open flames.
(e)	Incompatible materials	Acids, bases and oxidising material.
(f)	Hazardous decomposition products	No data.
11	Toxicology Information	
(a)	Skin contact:	No data available
	Skin absorption:	No data available

SAFETY DATA SHEET

	Eye contact: Inhalation: Ingestion:	No data available No data available No data available
(b)	Symptoms related to the physical, chemical and toxicological characteristics.	No data available
(c)	Delayed and immediate effects and also chronic effects from short- and long-term exposure.	No data available
(d)	Numerical measures of toxicity (such as acute toxicity estimates).	No data available
(e)	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 data available
12	Ecological Information	
(a)	Eco-toxicity	Prevent contamination of soil, ground and surface water.
(b)	Persistence and degradability	Not Applicable.
(c)	Bio-accumulative potential	Not Applicable.
(d)	Mobility in soil	Not Applicable.
(e)	Other adverse effects	Not Applicable.
13	Disposal Considerations	
	Waste treatment methods	Destroy by incineration or dispose of in sanitary landfill in accordance with official regulations.
14	Transport Information	
(a)	UN number	Not Regulated.
(b)	UN proper shipping name	Not Regulated.
(c)	Transport hazard class(es)	Not Regulated.
(d)	Packing group	Not Regulated.
(e)	Environmental hazards	None.
(f)	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	None.
	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.	Not Regulated.
15	Regulatory Information	

SAFETY DATA SHEET



	<p>Safety, health and environmental regulations/legislation specific for the substance or mixture</p> <p>Chemical safety assessment</p> <p>Signal word</p>	<p>European information: No published toxicological data, therefore no assigned risk and safety phrases.</p> <p>None of the components is listed in the OSHA, IARC or NTP Carcinogens lists.</p> <p>Not applicable</p>
16	Other Information	
	<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>	