

MATERIAL SAFETY DATA SHEET

1	Identification of Substance and Company Details	
1.1	Product identifier	
	Product Code:	RTK-RTU-C4-6
	Product Name:	Combo 4 monitoring system - Pack 6
	Active Ingredient:	Nature identical pheromones for the insects <i>Plodia</i> and <i>Ephestia</i> (Z,E-9,12-14AC), <i>Lasioderma</i> 7-Hydroxy-4,6-dimethylnonan-3-one) and <i>Trogoderma spp.</i> (14-methyl-Z-8-hexadecenal)
	CAS Number:	30507-70-1, 72598-35-7; 60609-53-2
	Other Ingredients:	Craft board constructed in the form of a trap coated with chemically inert non-drying adhesive based on poly olefin and containing the insect pheromones.
1.2	Relevant identified uses of the substance or mixture and uses advised against	
	Product use	Insect attraction and containment for purpose of monitoring the target species.
1.3	Details of the supplier of the safety data sheet	
	Manufacturer:	Russell IPM Ltd
	Address	45 First Avenue , Deeside Industrial Park. Deeside, Flintshire, CH5 2NU, UK.
	Telephone number	(+44) 1244 281 333
	Fax Number	(+44) 1244 281 878
	Email:	info@russellipm.com
	Web:	www.russellipm.com
1.4	Emergency telephone number	(+44) 1244 281 333

2	Hazards Identification	
2.1	Classification of the substance or mixture	Pheromone Trap
2.2	Label elements	None.
2.3	Other hazards	None.
	HMIS® Rating	
	Health:	1
	Flammability:	1 - Flammable at temperatures over 100°C
	Reactivity:	0
	Protection:	B
	Safety Phrases:	There were no toxicological studies in the published literature to assign risk and safety phrases.
	UN Number:	None allocated.

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3 Composition and Formulation

3.1 Substances

Active Ingredient: Nature identical pheromones for the insects *Plodia* and *Ephestia* (Z,E-9,12-14AC), *Lasioderma* 7-Hydroxy-4,6-dimethylnonan-3-one) and *Trogoderma spp.* (4,8-dimethyl decanal)

Other Ingredient: Craft board constructed in the form of a trap coated with chemically inert non-drying adhesive based on poly olefin and containing the insect pheromones.

3.2 Mixtures Not Applicable.

4 First Aid Measures

4.1 Description of first aid measures See 4.3 no special procedures

4.2 Most important symptoms and effects, both acute and delayed None.

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

- Inhalation Remove to fresh air. Seek medical advice if symptoms persist.

- Eyes Flush with plenty of water. Seek medical advice if symptoms persist.

- Skin In case of skin contact resulting in irritation flush with copious amounts of water for at least 15 minutes. Seek medical advice if symptoms persist.

- Ingestion Wash mouth with plenty of water. Seek medical advice.

5 Fire fighting Procedures

5.1 Extinguishing media Dry powder, CO₂ or foam.

5.2 Special hazards arising from the substance or mixture None.

5.3 Advice for fire-fighters No special procedures required.

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6	Accidental Release Measures	
6.1	Personal precautions, protective equipment and emergency procedures	No protective apparatus necessary for clean-up.
6.2	Environmental precautions	Prevent contamination of soil, ground and surface water or from entering sewage and drainage systems.
6.3	Methods and material for containment and cleaning up	Dispose of in approved manner.
6.4	Reference to other sections	Not applicable.

7	Handling and Storage	
7.1	Precautions for safe handling	<ul style="list-style-type: none"> - Do not breath vapours. - Avoid contact with skin and eyes. - Wash thoroughly after handling.
7.2	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 longer storage.
7.3	Specific end use(s)	The attraction and containment of target species.

8	Exposure Controls/ Personal Protection	
8.1	Control parameters	<p>Standard personal and industrial hygiene practices. No special protective equipment is required under normal conditions.</p> <p>VENTILATION: Mechanical (general)</p> <p>RESPIRATORY: Usually not required.</p>
8.2	Exposure controls	<p>SKIN: Rubber gloves</p> <p>EYES: Splash-proof safety glasses.</p> <p>OTHER PROTECTIVE EQUIPMENT: Safety shower, eye wash.</p>

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9	Physical and Chemical Properties	
9.1	Information on basic physical and chemical properties	
	Appearance:	White craft board with sticky surface covered by silicone release paper.
	Odour:	Mild, oily.
	Odour threshold	Not Applicable.
	pH	Not Applicable.
	Melting point/freezing point	Not Applicable.
	Initial boiling point and boiling range;	Not Applicable.
	Flash point;	Not Applicable.
	Evaporation rate;	Not Applicable.
	Flammability (solid, gas);	Not Applicable.
	Upper/lower flammability or explosive limits;	Not Applicable.
	Vapour pressure;	Not Applicable.
	Vapour density;	Not Applicable.
	Relative density;	Not Applicable.
	Solubility(ies);	Not Soluble.
	Partition coefficient: n-octanol/water;	Not Applicable.
	Auto-ignition temperature;	Not Applicable.
	Decomposition temperature;	Not Applicable.
	Viscosity;	Not Applicable.
	Explosive properties;	Not Applicable.
	Oxidising properties.	Not Applicable.
9.2	Other information	None.
10	Stability and Reactivity	
10.1	Reactivity	Presents no reactivity hazard.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	Presents no reactivity hazard.
10.4	Conditions to avoid	Excessive heat, open flames.
10.5	Incompatible materials	Acids, bases and oxidising material.
10.6	Hazardous decomposition products	No Data

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11	Toxicology Information	
11.1	Information on toxicological effects	
	SKIN CONTACT:	Not Available.
	SKIN ABSORPTION:	Not Available.
	EYE CONTACT:	Not Available.
	SIGNS & SYMPTOMS OF EXPOSURE:	Not Available.
	TOXICITY DATA:	Not Available.
	Listed as Carcinogen BY NTP, IARC, OR OSHABY NTP, IARC, OR OSHA?	No.
12	Ecological Information	
12.1	Toxicity	Prevent contamination of soil, ground and surface water.
12.2	Persistence and degradability	Not Available.
12.3	Bio-accumulative potential	Not Available.
12.4	Mobility in soil	Not Available.
12.5	Results of PBT and vPvB assessment	Not Available.
12.6	Other adverse effects	No Data.
13	Disposal Considerations	
13.1	Waste treatment methods	By incineration or sanitary landfill in accordance with local, state and federal regulations.
14	Transport Considerations	
14.1	UN number	Not Regulated.
14.2	UN proper shipping name	Not Regulated.
14.3	Transport hazard class(es)	Not Regulated.
14.4	Packing group	Not Regulated.
14.5	Environmental hazards	None.
14.6	Special precautions for user	None.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not Regulated.
15	Regulatory Information	
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	There were no toxicological studies in the published literature to assign risk and safety phrases.
15.2	Chemical safety assessment	None of the components is listed in the OSHA, IARC, NTP Carcinogens lists.

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Other

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