



## SAFETY DATA SHEET

### Xlure MST Kit/Refill

SDS compliant with GHS and CLP

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1 Product identifier

Product name Xlure MST Kit/ Refill  
Product No. CAT-XLURE-MST-KIT/REFILL

##### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses Used for Insect attraction and containment for the purpose of monitoring. Target species are *Tribolium* spp, *Lasioderma serricorne* and *Trogoderma* spp.  
REACH No. A registration number is not available for this substance

##### 1.3. Details of the supplier of the safety data sheet

Manufacturer: Russell IPM Ltd  
Australian agent Garrards Pty Ltd  
32 Kenworth Place,  
BRENDALE MDC, QLD,  
4500,  
Australia  
TEL: +61 7 3881 1693  
  
F: + 61 7 3881 1781  
E-mail: [craig@garrards.com.au](mailto:craig@garrards.com.au) | Website: <http://www.garrards.com.au>

##### 1.4. Emergency telephone number

+61 7 3881 1693

#### SECTION 2: HAZARDS IDENTIFICATION

##### 2.1. Classification of the substance or mixture

Classification (EC 1272/2008) None

##### 2.2. Label elements

Contains Polyolefin rigid structure and lid attached to PVC container holding dispenser and a combination of plant extracts and purified hydrocarbon thixotropic agent for the attraction and containment of the target insects.  
Labelling None  
Signal word: None  
Hazard statements: None  
Supplemental Information: None  
Pictograms: None  
Precautionary Statements

P305/351/338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

##### 2.3. Other hazards

This product does not contain any PBT or vPvB substances. To avoid risk to man and the environment, comply with the instructions for use.

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

##### 3.1 Mixtures

Name	CAS	EC	REACH Registration	%	Classification for (CLP) 1272/2008
4,8- dimethyl decanal	30507-70-1	N/A	N/A	-	This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
Serricornin	99945-27-4 / 92999-14-9	N/A	N/A	-	This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification,



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					labelling and packaging of substances and mixtures.
14-methyl-Z-8-hexadecenal	60609-53-2	N/A	N/A	-	This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### SECTION 4: FIRST AID MEASURES

##### **4.1. Description of first aid measures**

###### General information

Remove victim to fresh air and keep at rest. If symptoms of irritation and/or sensitization occur seek medical advice/attention.

###### Inhalation

Remove to fresh air and keep at rest. Seek medical advice if symptoms persist.

###### Skin

Wash with soap and water. If skin irritation occurs, seek medical advice/attention.

###### Ingestion

Rinse mouth. Do not induce vomiting.

###### Eye contact

Rinse cautiously with water for several minutes. If irritation occurs, seek medical advice/attention.

##### **4.2. Most important symptoms and effects, both acute and delayed**

###### Inhalation

Not known.

###### Ingestion

Not known.

###### Skin contact

Not known

###### Eye contact

May cause irritation

##### **4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

#### SECTION 5: FIREFIGHTING MEASURES

##### **5.1. Extinguishing media**

###### Extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media appropriate for surrounding materials.

###### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

##### **5.2. Special hazards arising from the substance or mixture**

###### Hazardous combustion products

None

###### Specific hazards

Dike and collect extinguishing water. Avoid releasing to the environment. Do not discharge into drains, watercourses or onto the ground.

##### **5.3. Advice for firefighters**

###### Special Fire Fighting Procedures

In case of fire and/or explosion, do not breathe fumes

Protective equipment for fire fighters



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Wear full protective clothing (EN 469). Self-contained breathing apparatus.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

##### **6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation.

##### **6.2. Environmental precautions**

Do not discharge into drains, watercourses or onto the ground.

##### **6.3. Methods and material for containment and cleaning up**

Do not contaminate water with product waste. Dispose of waste material in accordance with local or national regulations.

##### **6.4. Reference to other sections**

For personal protection, see section 8. For waste disposal, see section 13.

#### SECTION 7: HANDLING AND STORAGE

##### **7.1. Precautions for safe handling**

The substance should be handled under conditions of good industrial hygiene and in conformity with any local regulations in order to avoid unnecessary exposure. The product is formulated using materials that is known to be non-toxic to humans, animals or plants. Appropriate protective equipment should be worn (vinyl, latex, polyethylene or other type of gloves) to reduce exposure.

##### **7.2. Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well-ventilated area. Protect from sunlight. Ideally.

##### **7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

##### **8.1. Control parameters**

N/A

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

##### **9.1. Information on basic physical and chemical properties**

Appearance	Round blue plastic construction with transparent cartridge to be fitted as its base.
Odour	None
Initial boiling point and boiling range	Not available.
Melting point (°C)	Not available.
Specific gravity	Not available.
Vapour density (air=1)	Not available.
Vapour pressure	Not available.
Evaporation rate	Not available.
pH-Value	Not available.
Viscosity	Not available.
Solubility Value (G/100G H <sub>2</sub> O@20°C)	Not soluble in water.
Decomposition temperature (°C)	Not available.
Odour Threshold, Lower	Not available.
Odour Threshold, Upper	Not available.
Flash point	>100°C
Auto Ignition Temperature (°C)	Not available.
Flammability Limit - Lower(%)	Flammable at temperatures over 100°C.
Flammability Limit - Upper(%)	Flammable at temperatures over 100°C.
Partition Coefficient (N-Octanol/Water)	Not relevant
Explosive properties	Not available.
Oxidising properties	Not available.



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### **9.2. Other information**

Not available.

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1. Reactivity**

Not reactive.

### **10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

### **10.3. Possibility of hazardous reactions**

Not anticipated.

#### Hazardous Polymerisation

Will not polymerise

### **10.4. Conditions to avoid**

Avoid exposure to high temperatures or direct sunlight. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking.

### **10.5. Incompatible materials**

#### Materials to Avoid

Excessive temperature variations.

### **10.6. Hazardous decomposition products**

None anticipated

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

#### Toxicological information

Classification according to CLP regulation (EC) 1272/2008.

#### Acute toxicity:

Acute Toxicity (Oral LD50) N/A

Acute Toxicity (Dermal LD50) N/A

Acute Toxicity (Inhalation LC50) N/A

Skin Corrosion/Irritation: N/A

Serious eye damage/irritation: N/A

Respiratory or skin sensitisation:

Skin sensitisation: N/A

Germ cell mutagenicity:

Genotoxicity - In Vitro

Calculation method.

Genotoxicity - In Vivo

Calculation method.

Based on available data the classification criteria are not met.

Carcinogenicity:

Based on available data the classification criteria are not met.

Reproductive Toxicity:

Reproductive Toxicity - Fertility

Calculation method.

Based on available data the classification criteria are not met.

Calculation method.

Reproductive Toxicity - Development

Calculation method.



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Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

Calculation method.

Based on available data the classification criteria are not met.

Aspiration hazard:

Calculation method.

Based on available data the classification criteria are not met.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Classification according to CLP regulation (EC) 1272/2008.

The product is not anticipated to pose any environmental hazard. Specific toxicity studies done on birds, aquatic organisms, earthworms, bees and non-target arthropods showed lack of adverse effects.

Ecological information on ingredients.

Acute Toxicity - Fish

LC50 96 hours = N/A *Lepomis macrochirus* (Bluegill)

LC50 96 hours = N/A *Onchorhynchus mykiss* (Rainbow trout)

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours = N/A *Daphnia magna*

Acute Toxicity - Aquatic Plants

EbC50 96 hours = N/A *Enedesmus subspicatus* Chronic

Toxicity - Fish Early life Stage

NOEC 90 days = N/A *Onchorhynchus mykiss* (Rainbow trout)

NOEC 35 days = N/A *Cyprinodon variegatus* (Sheepshead minnow)

Chronic Toxicity - Aquatic

Invertebrates

NOEC 21 days = N/A *Daphnia magna*

Acute Toxicity - Terrestrial

LD50 = N/A *Apis Mellifera* (Honeybee) (Oral exposure).

LD50 = N/A *Apis Mellifera* (Honeybee) (Topical exposure).

### 12.2. Persistence and degradability

It is not likely that these compounds contaminate the soil or groundwater

Ecological information on ingredients.

#### Xlure MST Kit/ Refill

Degradability

The product is readily biodegradable.

Phototransformation N/A

Biodegradation

The product is readily biodegradable.

### 12.3. Bioaccumulative potential

Not anticipated to bioaccumulate.

Partition coefficient

Not relevant

Ecological information on ingredients.



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Bioaccumulation factor

BCF = N/A

Partition coefficient

log Kow = N/A

### 12.4. Mobility in soil

Ecological information on ingredients.

### Xlure MST Kit/ Refill

Mobility:

There may be indirect movement in soil because of water movement or transfer by insects.

Adsorption/Desorption Coefficient

Koc = N/A

Henry's Law Constant

N/A

### 12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

Ecological information on ingredients.

### Xlure MST Kit/ Refill

Not Classified as PBT/vPvB by current EU criteria.

### 12.6. Other adverse effects

Not available.

Ecological information on ingredients.

### Xlure MST Kit/ Refill

Not available.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

General information

Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

13.1. Waste treatment methods

Waste is suitable for incineration, Contact specialist disposal companies. Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling

## **SECTION 14: TRANSPORT INFORMATION**

### 14.1. UN number

UN No. (ADR/RID/ADN) None.

UN No. (IMDG) None.

UN No. (ICAO) None.

### 14.2. UN proper shipping name

Proper Shipping Name None.

Proper Shipping Name None.

### 14.3. Transport hazard class(es)

ADR/RID/ADN Class Not applicable

ADR Label No. Not applicable

IMDG Class Not applicable

ICAO Class/Division Not applicable

Transport Labels Not applicable

### 14.4. Packing group



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ADR/RID/ADN Packing group Not applicable

IMDG Packing group Not applicable

ICAO Packing group Not applicable

**14.5. Environmental hazards** None.

**14.6. Special precautions for user**

EMS None.

Hazard No. (ADR) None.

Tunnel Restriction Code None.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable

## SECTION 15: REGULATORY INFORMATION

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

The product is not deemed 'hazardous' according to CLP: Regulation (EC) No 1272/2008 and the requirements of Council Directive 2000/54/EEC. No chemical safety assessment has been carried out yet for this mixture.

Uk Regulatory References

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

EU Legislation

Dangerous Substance Directive 67/548/EEC, Dangerous Preparations Directive 1999/45/EC, Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments, Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

Health and Environmental Listings

Regulation EC 2037/2000 on substances that deplete the ozone layer. Regulation EC 689/2008 concerning the export and import of dangerous chemicals. None of the ingredients are listed.

Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

PBT - Persistent, bioaccumulative and toxic. vPvB - Very persistent and very bioaccumulative EN - European standard adopted by the European Committee for Standardisation.

Information Sources

The International Union of Pure and Applied Chemistry (IUPAC) pesticide properties database - <http://sitem.herts.ac.uk/aeru/iupac/index.htm> Conclusion regarding the peer review of the pesticide risk assessment of the active substance completed by the European Food Safety Authority - <http://www.efsa.europa.eu/cs/Satellite> International Chemical Safety Card, World Health Organisation (WHO)/Food and Agriculture Organisation of the United Nations (FAO) Joint Meeting on Pesticide Residues monographs and evaluations. Available from [www.inchem.org](http://www.inchem.org). Food and Agriculture Organisation (FAO) Specifications and Evaluations for Agricultural Pesticides - Evaluation Report, C.D.S. Tomlin, 2009, The Pesticide Manual, 15th Edition (BCPC). Supplier safety data sheet (SDS).

Revision Date 15/04/2016

Revision 1

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Key to abbreviations:	
Abbreviation	Meaning
AH 1	Aspiration Hazard Category 1
ATO 4	Acute Toxicity - Oral Category 4
CAR 2	Carcinogenicity Category 2
EDI 2	Eye Damage / Irritation Category 2
EH A1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
EH C1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
EUH066	Repeated exposure may cause skin dryness or cracking.
FL 2	Flammable Liquid, Hazard Category 2
FL 3	Flammable Liquid, Hazard Category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects (exposure route).
H351	Suspected of causing cancer (exposure route).
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
MUT 2	Germ Cell Mutagenicity Category 2
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.





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P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308/313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P330	Rinse mouth.
P331	Do not induce vomiting.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P337/313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403/233/235	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P403/235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
SCI 2	Skin Corrosion / Irritation Category 2
SS 1	Sensitization - Skin Category 1
SS 1B	Sensitization - Skin Category 1B
STO-SE 3(NE)	Specific Target Organ Toxicity (Single Exposure) Category 3

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.