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SAFETY DATA SHEET

Qlure-CAP (*Cacoecimorpha pronubana*)

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

1.1 Product identifier

Product name	Qlure-CAP (*Cacoecimorpha pronubana*)
Code	PH-158-1PR

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

Identified uses	Natural insect attractant
REACH No,	A registration number is not available for this substance.

1.3 Detailed of the supplier of the safety data sheet

Manufacturer	Russell IPM Ltd 45 First Avenue Deeside Industrial Park Deeside Flintshire CH5 2NU, United Kingdom Tel: +44 (0) 1244 281333 Fax: +44 (0) 1244 281878 info@russellipm.com

1.4 Emergency telephone number

+44 (0) 1244 281333 9am- 5pm GMT

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (EC 1272/2008): It is used as an insect attractant for monitoring. Semiochemicals are not considered as active substances of plant protection products when they are used to only monitor the population of insects. Such traps used for monitoring purposes may contain the same substances assessed under Regulation (EC) No 1107/2009, but in this case neither has the product to be considered a plant protection product, not has the pheromone to be considered on active substance for the purpose of Regulation (EC) No 1107/2009.

2.2 Label elements

Contains:	Z-11-Tetradecenyl acetate, Z-11-Tetradecen-1-ol, Z-9-Tetradecen-1-ol and tetradecyl acetate on a natural compound rubber septa
Labelling:	None.
Signal word:	None.
Hazard statements:	None.
Supplemental Information:	None.
Pictograms:	None.
Precautionary statements:	None.

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	Amount	Classification for (CLP) 1272/2008
Z-11-Tetradecenyl acetate	20711-10-8	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.

SDS compliant with CLP

SAFETY DATA SHEET
Qlure-CAP (*Cacoecimorpha pronubana*)

Z-11-Tetradecen-1-ol	34010-15-6	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.
Z-9-Tetradecen-1-ol	35153-15-2	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.
Tetradecyl acetate	638-59-5	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 or 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

Not known.

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 firefighting procedures

SDS compliant with CLP

SAFETY DATA SHEET
Qlure-CAP (*Cacoecimorpha pronubana*)

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

Protective equipment for firefighters

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 materials for contaminants 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 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.

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

Ingredients with limit values that require monitoring at the workplace. No exposure limit noted for ingredients.

8.2 Exposure controls

No exposure limit noted for ingredients.

8.2.1 Appropriate engineering controls

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

8.2.2 Personal protection equipment

Skin protection (hand protection/other). Use approved gloves.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Red rubber septa
Odour	Distinctive
Initial boiling point and boiling range	Not available
Melting point (°C)	Not available
Specific gravity	Not available
Vapor density (air=1)	Not available
Vapor pressure	Not available
Evaporation rate	Not available
pH-value	Not available
Viscosity	Not available
Decomposition temperature (°C)	Not available

SDS compliant with CLP

SAFETY DATA SHEET
Qlure-CAP (*Cacoecimorpha pronubana*)

Odour threshold, lower	Not available
Odour threshold, higher	Not available
Flash point	Not available
Auto ignition temperature (°C)	Not available
Flammability limit - lower (%)	Flammable at temperatures over 100°C
Flammable limit - higher (%)	Flammable at temperatures over 100°C
Partition coefficient (N-octanol/water)	Not available
Explosive properties	Not available
Oxidizing properties	Not available

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 polymerization

Will not polymerize.

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. Strong oxidizing agents.

10.6 Hazardous decomposition products

None anticipated.

SECTION 11: TOXICOLOGY INFORMATION

11.1 Information on toxicological effects

Toxicological information

Classification according to CLP regulations (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 sensitization:	N/A
Skin sensitization:	N/A
Germ call mutagenicity:	N/A
Genotoxicity - In vitro:	N/A
Calculation method	N/A
Genotoxicity - In Vivo:	N/A
Calculation method	N/A

Carcinogenicity:

Based on available data the classification criteria are not met.

SDS compliant with CLP

SAFETY DATA SHEET
Qlure-CAP (*Cacoecimorpha pronubana*)

Reproductive Toxicity:

Reproductive toxicity - fertility

Based on available data the classification criteria are not met.

Calculation method.

Reproductive toxicity - development

Calculation method.

Based on available data the classification criteria are not met.

Specific target organic 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 *Cyprinocon 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

Qlure-CAP (*Cacoecimorpha pronubana*)

Degradability

The product is readily biodegradable.

Photo transformation

N/A

Biodegradation

The product is readily biodegradable.

12.3 Bioaccumulative potential

Not anticipated to bioaccumulate.

Partition coefficient

SDS compliant with CLP

SAFETY DATA SHEET
Qlure-CAP (*Cacoecimorpha pronubana*)

Not relevant.

Ecological information on ingredients

Qlure-CAP (*Cacoecimorpha pronubana*)

Bioaccumulation factor

BCF = N/A

Partition coefficient

Log Kow = N/A

12.4 Mobility in soil

Ecological information on ingredients

Qlure-CAP (*Cacoecimorpha pronubana*)

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

Qlure-CAP (*Cacoecimorpha pronubana*)

Not classified as PBT/vPvB by current EU criteria.

12.6 Other adverse effects

Not available.

Ecological information on ingredients

Qlure-CAP (*Cacoecimorpha pronubana*)

Not available

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Dispose to a 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/AND)	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/AND Class	Not applicable
ADR Label No.	Not applicable
AMDG Class	Not applicable
ICAO Class/Division	Not applicable
Transport Labels	Not applicable

14.4 Packing group

ADR/RIN/AND Packing group	Not applicable

SDS compliant with CLP

SAFETY DATA SHEET
Qlure-CAP (*Cacoecimorpha pronubana*)

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. It is used as beneficial insect attractant therefore it does not require registration.

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, Authorization 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.

Authorizations (Title VII Regulation 1907/2006)

No specific authorizations are noted for this product.

Restrictions (Title VII 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, bio accumulative and toxic. vPvB - Very persistent and very bio accumulative. EN - European standard adopted by the European Committee for Standardization.

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 Organization (WHO)/Food and Agriculture Organization of the United Nations (FAO) Joint Meeting on Pesticide Residues monographs and evaluations. Available from www.inchem.org. Food and Agriculture Pesticide Manual, 15th Edition (BCPC). Supplier safety data sheet (SDS).

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