

Material Safety Data Sheet

according to Commission Regulation (EU) No. 453/2010 of 20 May 2010
Version 1.3 dated 26.10.2016

1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1 Product identifiers

Name: MASSLURE AoAu (VP)

1.2 Relevant identified uses of the mixture and uses advised against

Use: Pheromone

1.3 Details of the supplier of the safety data sheet

Ecología y Protección Agrícola, S.L. (EPA)

PI Ciutat de Carlet – C/ Gregal 11

E-46240 Carlet (Valencia) / Spain (+34) 96 255 80 98

info@epa-ecologia.com

1.4 Emergency telephone number

Instituto Nacional de Toxicología (24h): 91 562 04 20

2. HAZARDS IDENTIFICATION

2.1 Classification of the mixture according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Skin sensitisation (Category 1B)

Hazardous to the aquatic environment. Acute and chronic Hazard (Category 1)

2.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Pictograms: GHS07



Symbol: Exclamation mark

GHS09



Symbol: Environment

Signal words:

Warning (for all the above classification categories)

Hazard statements:

H317 May cause an allergic skin reaction

H410 Very toxic to aquatic life with long lasting effects

Precautionary statements

P261 Avoid breathing vapours

P273 Avoid release to the environment

P280 Wear protective gloves.

P302+P352 IF ON SKIN: Wash with plenty of soap and water

P391 Collect spillage

P501 Dispose of in accordance with national regulation

Supplementary information:

SP1 Do not contaminate water with the product or its container (Avoid contamination via drains from farmyards and roads).

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

2.3 Other hazards

None.

3. COMPOSITION / INFORMATION ON INGREDIENTS**3.2 Mixtures****Hazardous components:**

Chemical Name	Other names	CAS No.	EC-No.	Classification Reg. (EC) No 1272/2008	Concentration
3-Methyl-6-isopropenyl-9-decenyl acetate	Rescalure	64309-03-1	n/a	Skin sensitisation 1; H317 Aquatic acute and chronic 1; H410	4 % w/w

4. FIRST AID MEASURES**4.1 Description of first aid measures**

Remove the victim from the exposure source and wear off contaminated clothes.

If on eyes, rinse with plenty of water during at least 15 minutes. Remove contact lenses, if present.

If on skin, wash off with plenty of water and soap.

In case of ingestion, rinse mouth with water, do not induce vomiting and do not administer anything by oral route.

If necessary, seek medical advice and show this MSDS.

NEVER LEAVE THE VICTIM ALONE.

4.2 Most important symptoms and effects, both acute and delayed

Eyes and skin irritation.

Contact dermatitis and sensitization.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

IN CASE OF ACCIDENT OR FEELING UNWELL, CONSULT A PHYSICIAN OR CALL THE SPANISH NATIONAL TOXICOLOGY INSTITUTE: Tel. +34 (91) 562 04 20.

5. FIREFIGHTING MEASURES.**5.1 Suitable extinguishing media**

Small fires: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Large fires: Use alcohol-resistant foam or water spray.

Extinguishing media which shall not be used for safety reasons: solid water stream (as it may scatter and spread fire)

5.2 Special hazards arising from the mixture

This product contains combustible organic components, therefore fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Exposure to decomposition products may be a hazard to health. Avoid breathing smokes.

5.3 Advice for firefighters

Wear full protective personal clothing and use self-contained breathing mask.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Prevent entry to sewer, surface and public waters.

6.3 Methods and material for containment and cleaning up

Contain spillage, pick up single units and seal in a suitable container for disposal according to local regulations (see Section 13).

7. HANDLING AND STORAGE.

7.1 Precautions for safe handling

Avoid contact with skin and eyes.

Handle in well-ventilated places.

During handling, do not eat, drink or smoke.

For personal protection, see Section 8.

No special measures for preventive fire protection are required.

7.2 Conditions for safe storage, including any incompatibilities

Store in the original packaging tightly closed in a dry, cool and well-ventilated place.

Keep out of the reach of children.

Keep away from food, drink and animal feedingstuffs.

No special measures for storage are required.

7.3 Specific end use(s)

Registered plant protection product. For an adequate and safe use of this product please refer to the conditions approved in the product label.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.

8.1 Control parameters

Not defined.

8.2 Exposure controls

Personal protective equipment:

Handle in accordance with good industrial hygiene and safety practice.

Respiratory protection:

No special protective equipment required. In case of accident with large amounts of product involved being released to the environment and until technical measures have been installed to ensure ventilation, use a filter respirator.

Hand protection:

Gloves are required.

Eye protection:

Eye protection is not usually required. Follow any site specific eye protection policy.

Skin and body protection:

Wear suitable working clothes (overall or jacket with long sleeves and long trousers made of cotton (>300 g/m²) or cotton and polyester (>200 g/m²) and resistant shoes. No special protective equipment is required.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: cylindrical tablet
Colour: White
Odour: Sweet, fruity
Physical state: Solid
Other: Not relevant

9.2 Other information

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10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable under standard use and storage conditions

10.2 Chemical stability

Stable under standard use and storage conditions

10.3 Possibility of hazardous reactions

None.

10.4 Conditions to avoid

None identified.

10.5 Incompatible materials

None identified

10.6 Hazardous decomposition products

Carbon oxides (CO₂, CO), nitrogen oxides and hydrogen sulfur.

11. TOXICOLOGICAL INFORMATION.

11.1 Information on toxicological effects

No specific studies have been conducted with the product. Available acute toxicity data of the hazardous components listed in Section 3 are given below.

Rat LD50 oral: >2000 mg/kg bw
Rat LD50 dermal: = 5862 mg/kg bw
Rat LC50 inhalational: = 10000 mg/m³/h
Skin irritation (Rabbit): Non irritating
Skin sensitization (Mice) Sensitising
Mutagenicity (in vitro) Non mutagen

CMR Effects: No component of this product is reported as probable, possible or confirmed germ cell mutagene, carcinogenic or toxic for reproduction.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No specific studies have been conducted with the product. Available ecotoxicological and environmental relevant data of the compound 3-Methyl-6-isopropenyl-9-decenyl acetate are given below.

Toxicity to fish:	LC50-96 h. < 1 mg/l
Toxicity to aquatic invertebrates:	LC50-48 h. < 1 mg/l
Toxicity to algae:	EC50-96 h. < 1 mg/l

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Datos no disponibles

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product:

Dispose of in compliance with local regulations.

Contaminated packaging:

Do not re-use empty containers.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

14.1 UN number

3077

14.2 UN proper shipping name

UN3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (3-Methyl-6-isopropenyl-9-decenyl acetate)

14.3 Transport hazard class

9

14.4 Packing group

III

Hazard labels: 9

14.5 Environmental hazards

Dangerous for the aquatic environment

14.6 Special precautions for user

None

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

15 REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 and Regulation (EU) No 453/2010.

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

Safety Data Sheet in accordance with requirements of Regulation (EC) No. 1272/2008.

15.2 Chemical safety assessment

Not required for this mixture.

16 OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.