

**SAFETY DATA SHEET**  
According to Regulation (EU) No 453/2010

**LUCTAROM 45878Z**

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Product: LUCTAROM 45878Z  
CAS Number: : Not applicable (mixture)  
REACH Registration: Not applicable according to Regulation (EC) No 1907/2006; Article 2 - Point 5

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

Premix for the manufacture of animal feed only. Do not ingest.

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

Company:: Lucta S.A.  
Carrer de Can Parellada, 28 - 08170 Montornès del Vallès. Barcelona. España.  
Tel. +34 938 458 888 - Fax. +34 938 458 180  
Web: www.lucta.com - e-mail: productsafety@lucta.com

**1.4. Emergency telephone number**

Tel. +34 938 458 888 (9:00-17:00 Central European time)

**SECTION 2: Hazards identification**

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

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Serious eye damage/eye irritation, Hazard Category 2; H319  
Sensitisation — Skin, Hazard Category 1; H317

**2.2. Label elements**

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

Signal word:  
Warning

Hazard pictogram:



Contains:  
trans-Anethole(CAS 4180-23-8)  
Phenethyl acetate(CAS 103-45-7)

Indications of danger:  
H317B May cause an allergic skin reaction (Category 1B).  
H319 Causes serious eye irritation.

Precautionary statements:  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305P351P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P302P352 IF ON SKIN: Wash with plenty of soap and water.

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P264 Wash skin thoroughly after handling.  
P333P313 If skin irritation or rash occurs: Get medical advice/attention.

#### 2.3. Other hazards

The product contains no PBT or vPvB substances.

### SECTION 3: Composition/information on ingredients

Contains:

% w/w	Name	CAS #	EINECS #	EU-IN #	Labelling
5- <10	trans-Anethole	4180-23-8	224-052-0		GHS07,Wng,H317B
1- <3	Ethyl vanillin	121-32-4	204-464-7		GHS07,Wng,H319
1- <3	Phenylacetic acid	103-82-2	203-148-6		GHS07,Wng,H319
1- <3	Phenylethyl alcohol	60-12-8	200-456-2		GHS07,Wng,H302,H319
1- <3	Methyl anthranilate	134-20-3	205-132-4		GHS07,Wng,H319
1- <3	Phenethyl acetate	103-45-7	203-113-5		GHS05,Dgr,H318
0.1- <1	Dihydrocoumarin	119-84-6	204-354-9		GHS07,Wng,H302,H317B

### SECTION 4: First aids measures

#### 4.1. Description of first aid measures

Eye contact:

Rinse immediately with plenty of water during minimum 15 minutes. If necessary, call a doctor.

Skin contact:

Remove contaminated clothes. Wash exposed area with soap and water. If necessary, call a doctor.

Accidental ingestion:

Rinse mouth with water. Give up to one tumbler of milk or water. If necessary, call a doctor.

Excessive inhalation:

Take out the person from the place of the accident to the open air. If necessary, call a doctor.

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

Take the phrases of risk and security (section 2) into consideration.

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

In case of intoxication, it is of maximum importance a medical revision.

### SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

Extinguishing recommended media:

Use carbon dioxide, dry powder, foam or pulverized water fire extinguisher.

Extinguishing inadvisable media:

Water-jet.

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#### Fire-fighting procedures:

Use the standard ones. Avoid breathing directly over the product. If necessary, use appropriate ventilation systems.

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

Possibility of exposure to toxic combustion products.

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

Self contained breathing apparatus and protective clothing.

### **SECTION 6: Accidental release measures**

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

Avoid steam inhalation and the contact with skin and eyes. Keep a suitable ventilation in the affected work areas.

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

Do not spill in water-drainages, underground waters or superficial nor on the land.

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

Extinguish ignition sources. Give suitable ventilation. Manipulate with suitable gloves. Absorb spills or pools using sand or inert powder. Material used for cleaning up spillages should be disposed of promptly in accordance with the regulation in force.

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

See section 8 and 13.

### **SECTION 7: Handling and storage**

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

Respect the habitual rules of personal hygiene and cleaning. Wear gloves and protection for eyes and/or face, if necessary. Wash with plenty of water after a contact with chemical agents, before the breaks, meals and at the end of the daily period of work. The clothes and shoes should be washed thoroughly before re-use. Avoid any type of spill or leak. Do not leave open containers.

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

Keep away from sources of ignition. Avoid smoking in storage areas and when handling. Keep in a cool, dry place, away from light in full tightly closed containers. Keep only in the original container.

- Storage class : According to regulations in each country.
- Incompatible materials: Keep away from oxidising agents.
- Packing Type: According to current legislation transport.

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

See section 1.2 and Technical Data Sheet.

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#### SECTION 8: Exposure controls/personal protection

##### 8.1. Control parameters

Components with workplace control parameters:  
No information available.

##### 8.2. Exposure controls

Exposure controls:

If possible, use closed systems for transference or for processing the product. Make the process of incorporation at the lowest temperature. Always maintain the spaces properly ventilated.

Individual protection:

- Hand Protection: Avoid contact with skin. Wear gloves resistant to chemical agents.
- Eye Protection: Use protective glasses against splashes, where it is indicated.
- Breathing protection: Avoid breathing directly over the product. If necessary use appropriate protection systems.
- Skin Protection: wear suitable clothes to prevent odour contamination in the personal clothes, where it is indicated.



#### SECTION 9: Physical and chemical properties

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

Appearance	:	powder	
Colour	:	light yellow	- yellow
Odour	:	honey,sweet,anise	
Odour threshold	:	No data available	
pH	:	Not applicable	
Melting point (°C)	:	No data available	
Freezing point (°C)	:	No data available	
Boiling point(°C)	:	No data available	
Flash point (°C)	:	Not applicable	
Evaporation rate	:	No data available	
Flammable	:	no	
Explosive limits	:	No data available	
Vapour pressure (mmHg 20°C)	:	Not applicable	
Vapour density	:	No data available	
Bulk density (g/l)	:	690	- 890
Solubility (g/l 20°C)	:	No data available	
Partition coefficient n-octanol/water	:	No data available	
Auto-ignition temperature	:	No data available	
Decomposition temperature	:	No data available	
Viscosity (cps 40°C)	:	Not applicable	
Explosive properties	:	No data available	
Oxidising properties	:	Non-oxidising (by EU criteria)	

The specifications indicated in the present document have been determined from one first sample and can undergo adjustments once we dispose of the data coming from the successive lots of manufacture. The adjustments will imply the issue of a new technical data sheet, with its corresponding version.

##### 9.2. Other information

No information available.

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**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

It presents no significant reactivity hazards, by itself or in contact with water.

**10.2. Chemical stability**

Stable under environmental conditions of temperature and pressure.

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

**10.4. Conditions to avoid**

We recommend avoid contact with strong oxidizing agents and heat sources. Avoid excessive heat for prolonged periods of time.

**10.5. Incompatible materials**

Avoid contact with strong acids, alkali or oxidizing agents.

**10.6. Hazardous decomposition products**

Carbon monoxide and unidentified organic compounds may be formed during combustion.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

For this preparation, no toxicological tests have been carried out, but it is composed by raw materials that have bibliographic toxicological data.

Acute Toxicity Estimates

ATE LD50 Oral (mg/kg): : >5.000,0 [Estimated]  
ATE LD50 cutaneous (mg/kg): : >5.000,0 [Estimated]  
ATE LC50 inhalation (mg/l/4h): : >35,0 [Estimated]

Corrosivity

See section 3.

Sensitisation

See section 3.

Germ cell mutagenicity

Does not contain any ( $\geq 0,1\%$ )

Carcinogenicity

Does not contain any ( $\geq 0,1\%$ )

Reproductive toxicity

Does not contain any ( $\geq 0,1\%$ )

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**SECTION 12: Ecological information**

**12.1. Toxicity**

For this preparation, no ecotoxicological tests have been carried out, but it is composed by raw materials that have bibliographic ecotoxicological data.

Acute Toxicity Estimates

TE LC50 (mg/l 96h) : 41,21[Estimated]

Chronic Toxicity Estimates

TE LC50 (mg/l 96h) : >100,00[Estimated]

**12.2. Persistence and degradability**

Biodegradability: Not determined.  
See exposure scenarios for each substance, section 3.

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

See exposure scenarios for each substance, section 3.

**12.5. Results of PBT and vPvB assessment**

See section 2.3.

**12.6. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

We recommend incineration to eliminate any residue. Do not re-use empty containers. More information, please read the above mentioned sections 6, 7 and 8.

**13.1.1. Product / Packaging disposal**

Dispose of in accordance with local regulations. If necessary Lucta, S.A. can advise you; environmental@lucta.com

**13.1.2. Waste treatment-relevant information**

Do not reject wastes directly into drainage or environment. According to current regulations in each region.

**13.1.3. Sewage disposal-relevant information**

Wastewater treatment, biological treatment.

**13.1.4. Other disposal recommendations**

Waste disposal must be with an authorized manager and authorized transporter. According to current regulations in each region.

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**SECTION 14: Transport information**

**14.1. UN number**

NR

**14.2. UN proper shipping name**

Not regulated as dangerous goods.

**14.3. Transport hazard class(es)**

NR

**14.4. Packing group**

-

**14.5. Environmental hazards**

no

**14.6. Special precautions for user**

None required

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

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**SECTION 15: Regulatory information**

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

**15.1.1. WGK**

WGK : : 2 [Estimated]

**15.1.2. Classification according to Directives 67/548/CEE and 1999/45/CE**



Irritant

R43	May cause sensitisation by skin contact
R52	Harmful to aquatic organisms
R53	May cause long-term adverse effects in the aquatic environment

**15.1.3. NFPA Classification**



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Health : : 2  
Flammability : : 0  
Reactivity : : 0  
Special risks : :

**15.2. Chemical safety assessment**

Chemical safety assessment has not been carried out.

**SECTION 16: Other information**

**16.1. Indication of changes**

Ver. 1.30/01/15 .EDI2A,SS1B  
And other editorial changes/corrections.

**16.2. Key literature references and sources for data**

ECHA; C&L Inventory database; Labelling Manual IFRA-IOFI; ECHA; OECD; Suppliers information.

**16.3. Evaluation method**

Article 9, paragraph 4 of Regulation (EC) No 1272/2008 is used for the purpose of classification for mixtures.

**16.4. Descriptions of H phrases mentioned in Section 3**

For more information:  
<http://www.lucta.com/ghs/hstatements.pdf>

**16.5. Abbreviations and acronyms**

ATE - Acute toxicity estimation  
BCF - Bioaccumulation factor  
CLV - Ceiling limit value  
vPvB - Very persistent and very bioaccumulative  
nsb - Not soundly-based  
PBT - Persistent, bioaccumulative and toxic  
STEL - Exposure standard, short term exposure limit  
TE - Toxicity estimation  
TWA - Exposure standard, time weighted average (8 hours)  
WGK - Water Hazard Class

**16.6. Further information**

The information and specifications contained in this Safety Data Sheet complement the Technical Data Sheet ones, but they do not substitute it. Users are required to regard the recommendation provided in this sheet in order to avoid risks.

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The values included in this declaration are calculated concentrations and do not replace analytical determinations in the product.

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